

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053019\
 Data File : VD062552.D
 Acq On : 30 May 2019 13:54
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: May 31 01:32:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 01:07:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	867433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1254094	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	981108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	507883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	1067636	104.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.74%	
35) Dibromofluoromethane	6.94	113	1167568	100.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.50%	
50) Toluene-d8	10.42	98	2471300	98.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.80%	
62) 4-Bromofluorobenzene	13.56	95	1112592	98.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	973768	94.217	ug/l	96
3) Chloromethane	1.74	50	963408	81.741	ug/l	99
4) Vinyl Chloride	1.85	62	840405	105.798	ug/l	96
5) Bromomethane	2.14	94	246954	101.306	ug/l	98
6) Chloroethane	2.25	64	355259	93.786	ug/l	98
7) Trichlorofluoromethane	2.53	101	1699991	102.442	ug/l	99
8) Diethyl Ether	2.87	74	249422	116.979	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	1030751	105.001	ug/l #	87
10) Methyl Iodide	3.30	142	1445254	134.821	ug/l	95
11) Tert butyl alcohol	4.09	59	234907	501.909	ug/l #	93
12) 1,1-Dichloroethene	3.12	96	746268	106.962	ug/l	98
13) Acrolein	3.04	56	94585	466.893	ug/l	89
14) Allyl chloride	3.62	41	1200208	109.880	ug/l	99
15) Acrylonitrile	4.21	53	566645	537.498	ug/l	96
16) Acetone	3.23	43	1077148	512.997	ug/l	99
17) Carbon Disulfide	3.37	76	2414504	108.906	ug/l	98
18) Methyl Acetate	3.65	43	321449	94.112	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	1722994	101.387	ug/l	99
20) Methylene Chloride	3.82	84	759545	103.214	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	837566	105.887	ug/l	97
22) Diisopropyl ether	5.14	45	2410116	109.608	ug/l	98
23) Vinyl Acetate	5.07	43	7382917	551.707	ug/l	99
24) 1,1-Dichloroethane	4.99	63	1558621	108.502	ug/l	99
25) 2-Butanone	6.08	43	1063306	551.043	ug/l	94
26) 2,2-Dichloropropane	6.03	77	1668505	106.977	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	877837	107.738	ug/l	98
28) Bromochloromethane	6.45	49	470992	98.859	ug/l	97
29) Tetrahydrofuran	6.47	42	470647	530.518	ug/l	98
30) Chloroform	6.67	83	1851071	107.090	ug/l	97
31) Cyclohexane	6.97	56	1066242	112.039	ug/l	93
32) 1,1,1-Trichloroethane	6.88	97	1927660	109.209	ug/l	98
36) 1,1-Dichloropropene	7.15	75	1267287	99.639	ug/l	97
37) Ethyl Acetate	6.20	43	515284	90.727	ug/l	97
38) Carbon Tetrachloride	7.12	117	1878357m	97.778	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053019\
 Data File : VD062552.D
 Acq On : 30 May 2019 13:54
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: May 31 01:32:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 01:07:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	1164655	109.305	ug/l	96
40) Benzene	7.46	78	2609632	104.451	ug/l	99
41) Methacrylonitrile	6.46	41	655447	102.956	ug/l #	89
42) 1,2-Dichloroethane	7.59	62	1452259	104.116	ug/l	99
43) Isopropyl Acetate	9.25	43	719659	106.868	ug/l #	98
44) Trichloroethene	8.55	130	1041327	104.128	ug/l	97
45) 1,2-Dichloropropane	8.96	63	641318	104.500	ug/l	99
46) Dibromomethane	9.07	93	531957	103.919	ug/l	95
47) Bromodichloromethane	9.39	83	1408217	99.035	ug/l	100
48) Methyl methacrylate	9.13	41	446413	96.477	ug/l	92
49) 1,4-Dioxane	9.09	88	78284	2084.060	ug/l	93
51) 4-Methyl-2-Pentanone	10.31	43	2337121	490.588	ug/l	98
52) Toluene	10.52	92	1755437	103.277	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	1221361	100.474	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	1275835	101.535	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	554508	98.107	ug/l	96
56) Ethyl methacrylate	11.05	69	694570	116.186	ug/l	93
57) 1,3-Dichloropropane	11.42	76	868924	101.503	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.87	63	1405810	453.715	ug/l	100
59) 2-Hexanone	11.54	43	1663341	499.729	ug/l	97
60) Dibromochloromethane	11.69	129	1128107	102.885	ug/l	97
61) 1,2-Dibromoethane	11.81	107	701243	104.848	ug/l	99
64) Tetrachloroethene	11.27	164	946705	106.619	ug/l	96
65) Chlorobenzene	12.41	112	2046896	103.175	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	940344	101.424	ug/l	97
67) Ethyl Benzene	12.53	91	3525216	98.618	ug/l	97
68) m/p-Xylenes	12.68	106	2446225	201.506	ug/l	97
69) o-Xylene	13.06	106	1194560	101.547	ug/l	100
70) Styrene	13.08	104	2049454	103.056	ug/l	97
71) Bromoform	13.24	173	703988	109.063	ug/l #	94
73) Isopropylbenzene	13.41	105	3746961	110.961	ug/l	99
74) N-amyl acetate	13.28	43	1017021	117.226	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	633100	114.402	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	720268	112.318	ug/l	98
77) Bromobenzene	13.68	156	1047380	110.801	ug/l	100
78) n-propylbenzene	13.78	91	4337046	110.213	ug/l	98
79) 2-Chlorotoluene	13.85	91	2400236	104.186	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	3013108	102.868	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	203830	117.490	ug/l	90
82) 4-Chlorotoluene	13.96	91	2949499	106.462	ug/l	99
83) tert-Butylbenzene	14.19	119	3598529	111.675	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	3117272	106.446	ug/l	97
85) sec-Butylbenzene	14.37	105	3549877	103.299	ug/l	96
86) p-Isopropyltoluene	14.50	119	3297509	102.023	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1759136	106.607	ug/l	95
88) 1,4-Dichlorobenzene	14.55	146	1664505	102.855	ug/l	98
89) n-Butylbenzene	14.80	91	2867289	97.494	ug/l	99
90) Hexachloroethane	15.01	117	964971	111.716	ug/l	73
91) 1,2-Dichlorobenzene	14.81	146	1374063	97.746	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	132033	117.586	ug/l	91

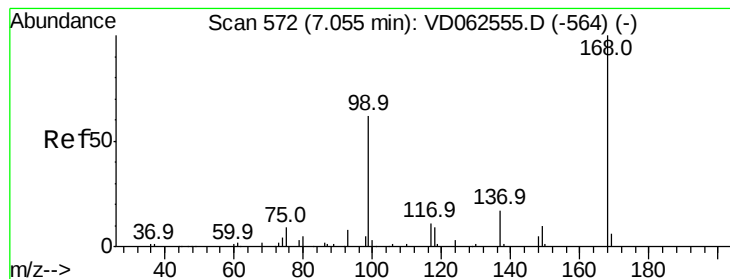
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053019\
Data File : VD062552.D
Acq On : 30 May 2019 13:54
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Quant Time: May 31 01:32:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 01:07:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	1244326	114.627	ug/l	94
94) Hexachlorobutadiene	16.04	225	893384	112.199	ug/l	99
95) Naphthalene	16.13	128	1686489	110.055	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	944119	115.348	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

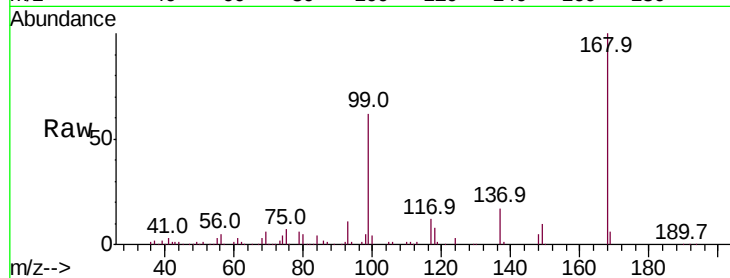
VSTDIC100

Tot Ion:168 Resp: 867433

Ion Ratio Lower Upper

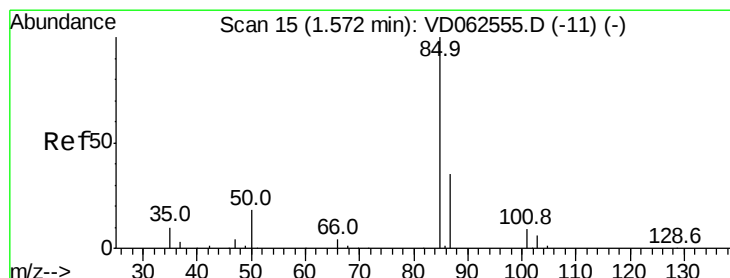
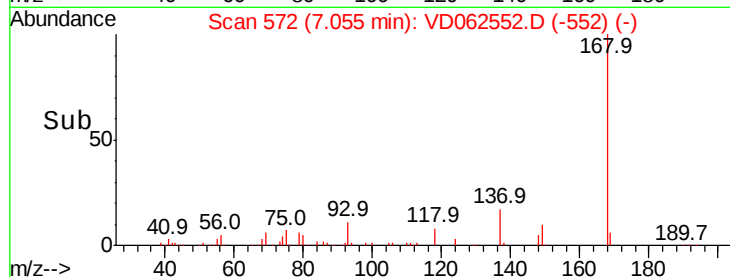
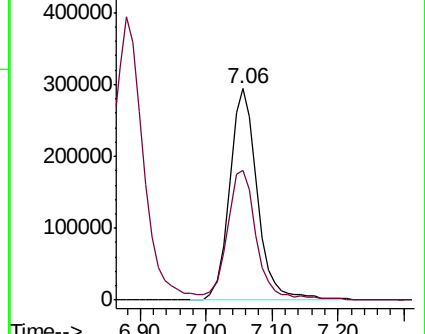
168 100

99 61.7 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 94.217 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062552.D

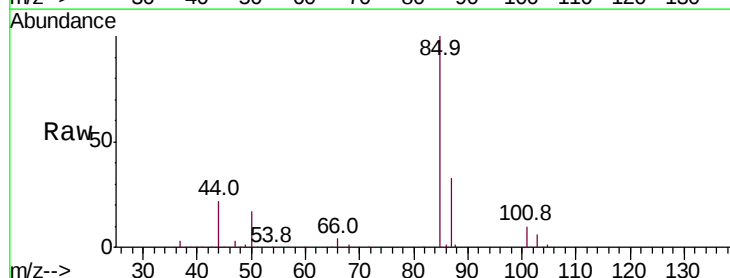
Acq: 30 May 2019 13:54

Tgt Ion: 85 Resp: 973768

Ion Ratio Lower Upper

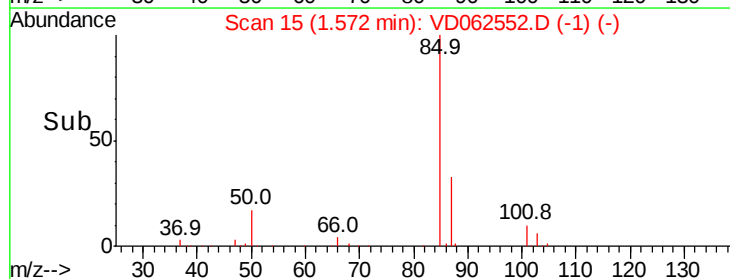
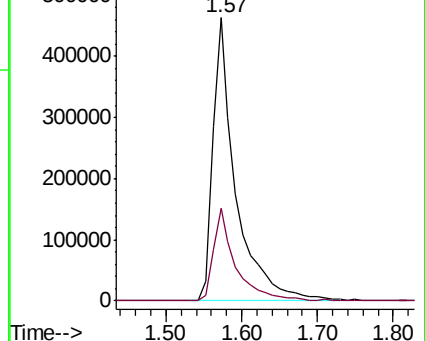
85 100

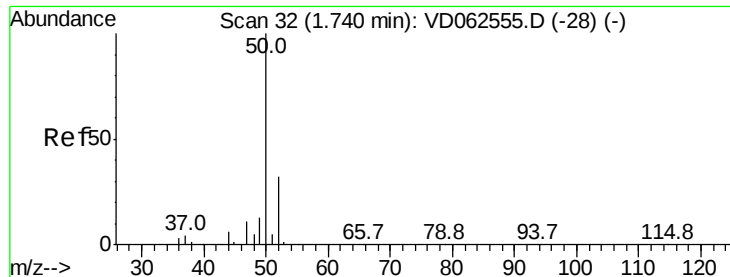
87 32.5 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 81.741 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

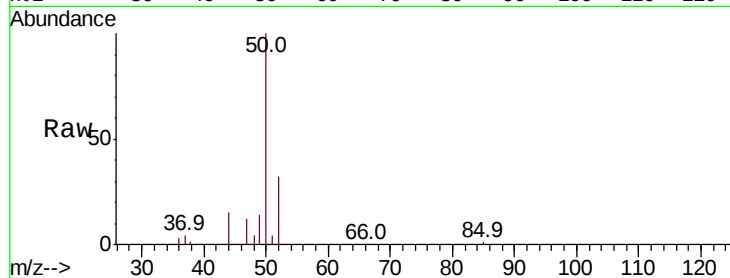
VSTDIC100

Tot Ion: 50 Resp: 963408

Ion Ratio Lower Upper

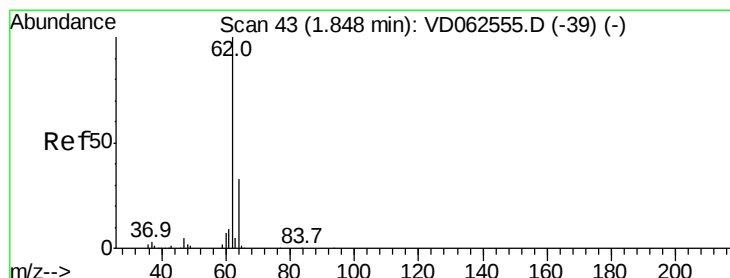
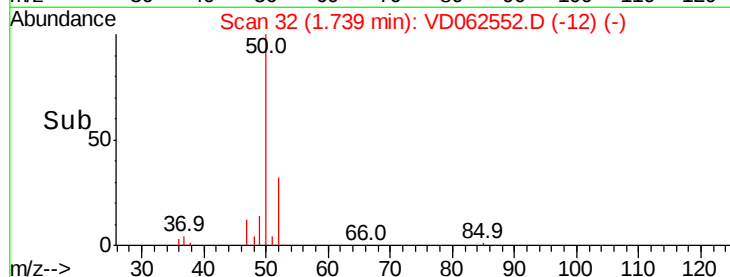
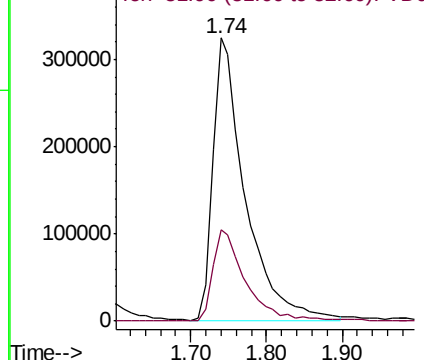
50 100

52 32.5 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 105.798 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062552.D

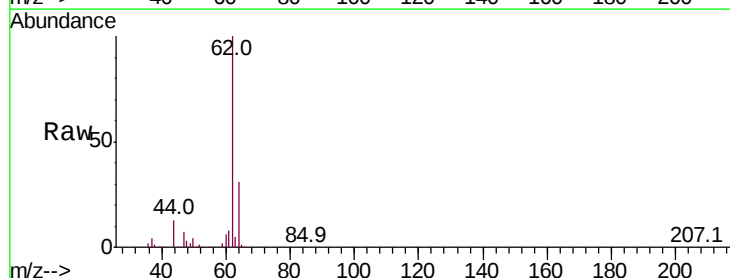
Acq: 30 May 2019 13:54

Tgt Ion: 62 Resp: 840405

Ion Ratio Lower Upper

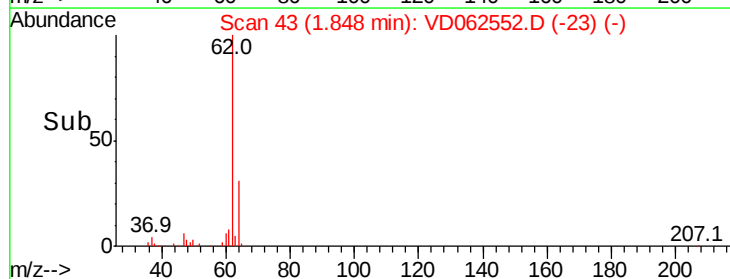
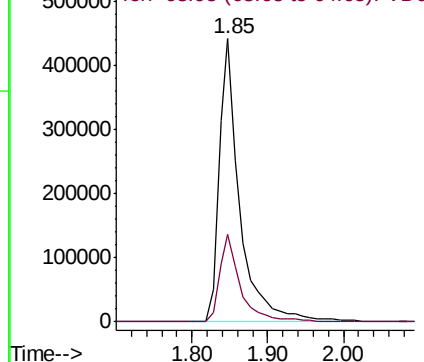
62 100

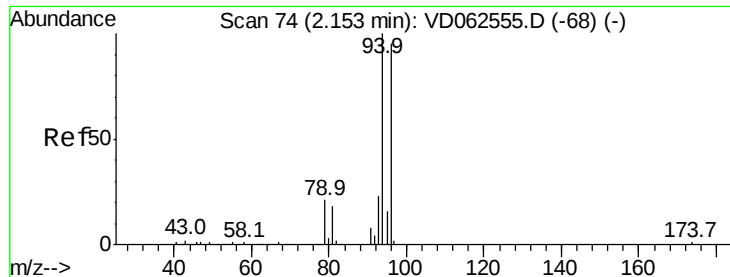
64 31.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 101.306 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

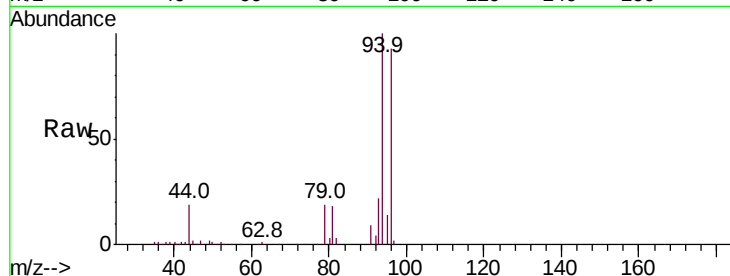
Tot Ion: 94 Resp: 246954

Ion Ratio Lower Upper

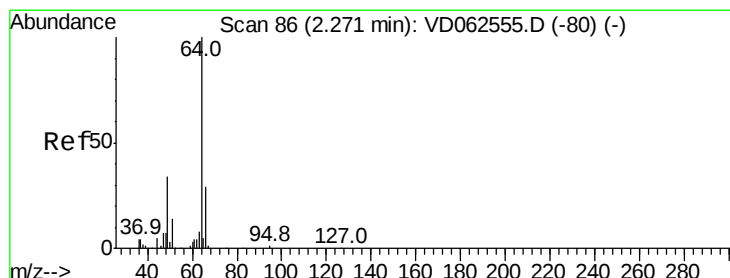
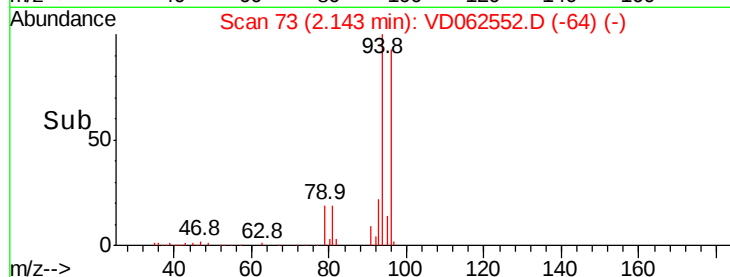
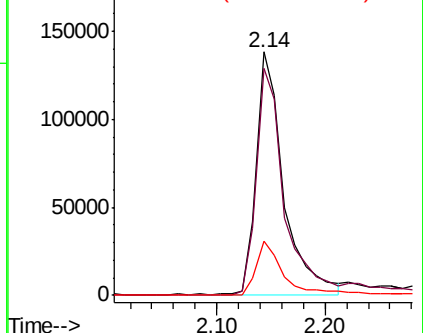
94 100

96 93.0 76.2 114.4

93 22.4 18.4 27.6



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 93.786 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD062552.D

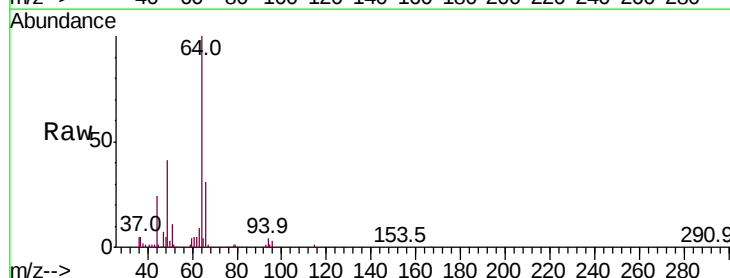
Acq: 30 May 2019 13:54

Tgt Ion: 64 Resp: 355259

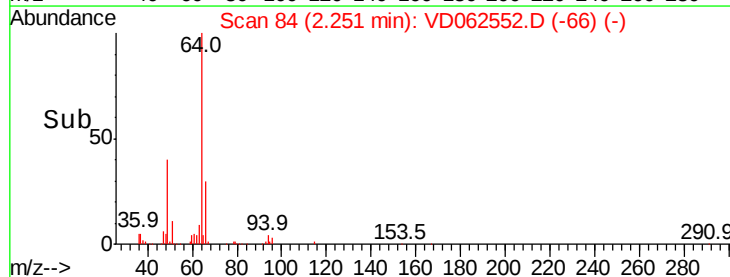
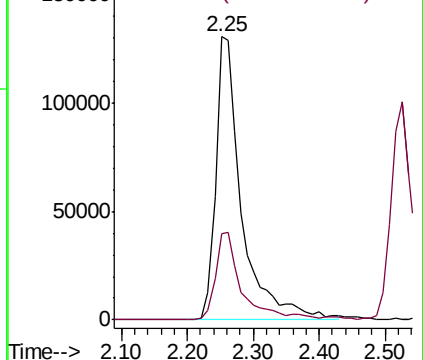
Ion Ratio Lower Upper

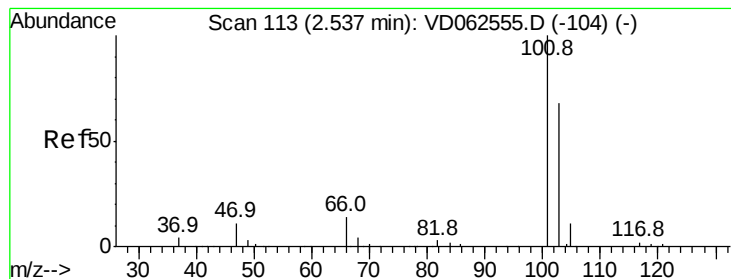
64 100

66 30.5 23.4 35.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



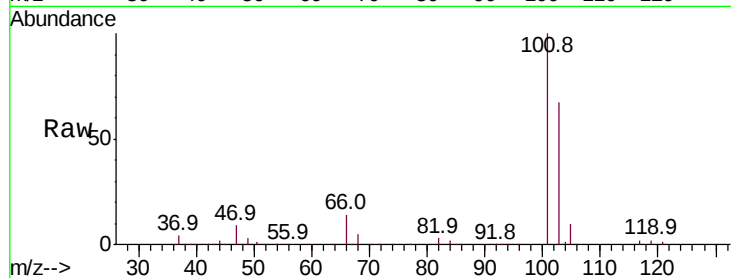


#7

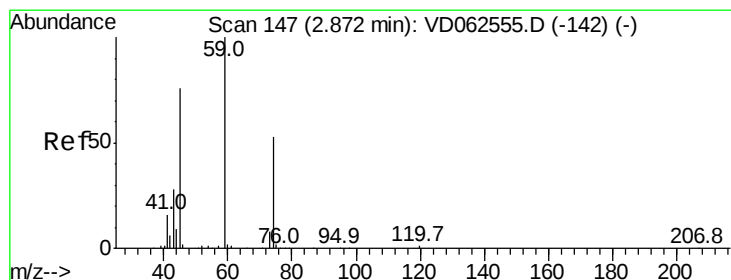
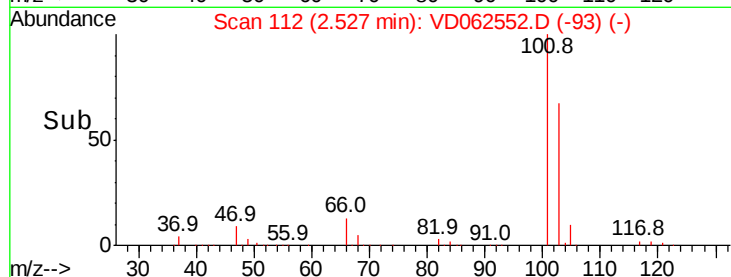
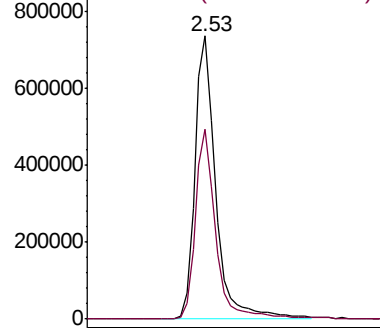
Trichlorofluoromethane
 Concen: 102.442 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 1699991
 Ion Ratio Lower Upper
 101 100
 103 67.1 54.3 81.5



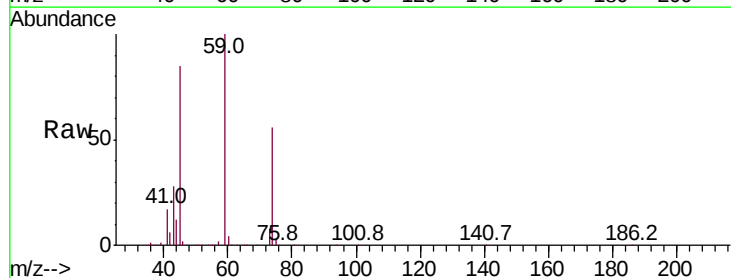
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



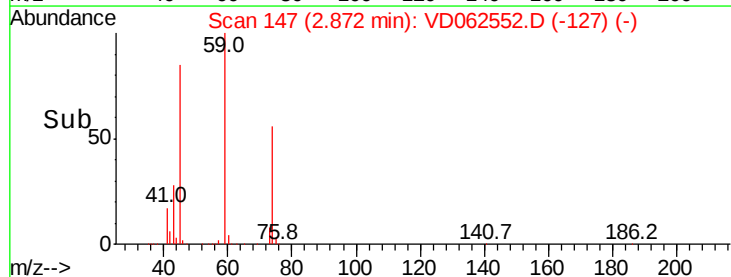
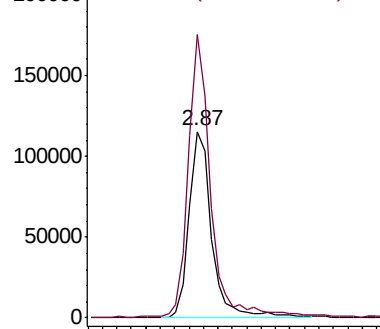
#8

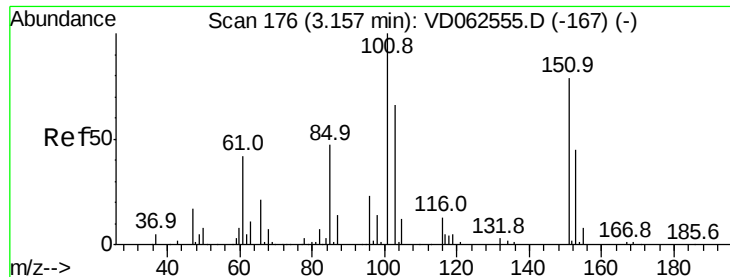
Diethyl Ether
 Concen: 116.979 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

Tgt Ion: 74 Resp: 249422
 Ion Ratio Lower Upper
 74 100
 45 151.6 71.9 215.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.001 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

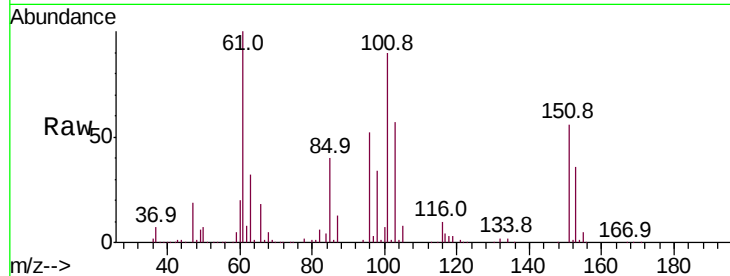
Tot Ion:101 Resp: 1030751

Ion Ratio Lower Upper

101 100

85 44.6 37.6 56.4

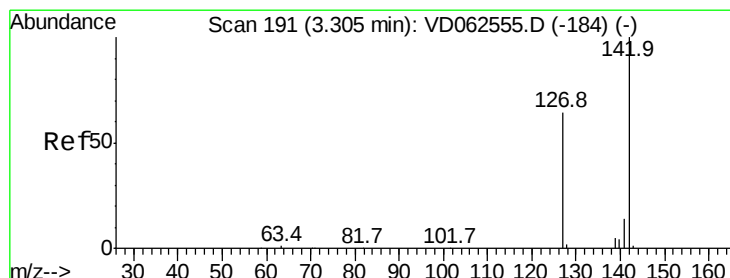
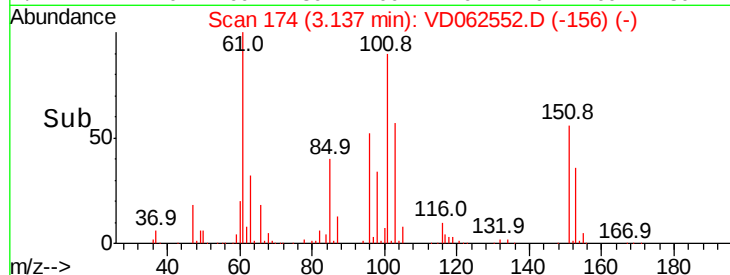
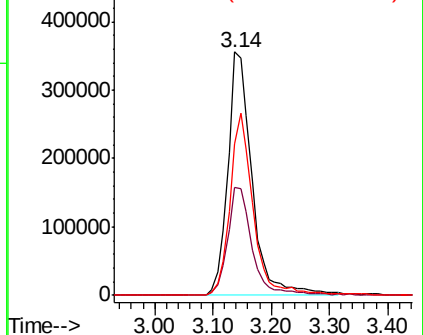
151 62.0 63.0 94.4#



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 134.821 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

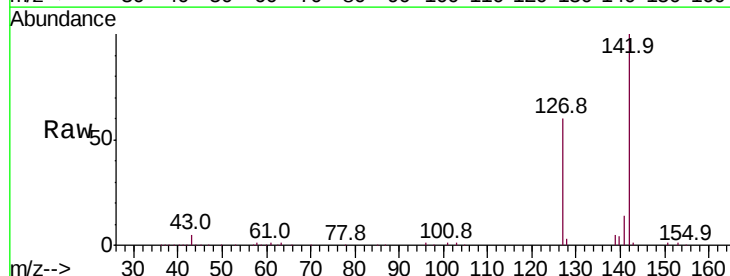
Tgt Ion:142 Resp: 1445254

Ion Ratio Lower Upper

142 100

127 59.8 51.2 76.8

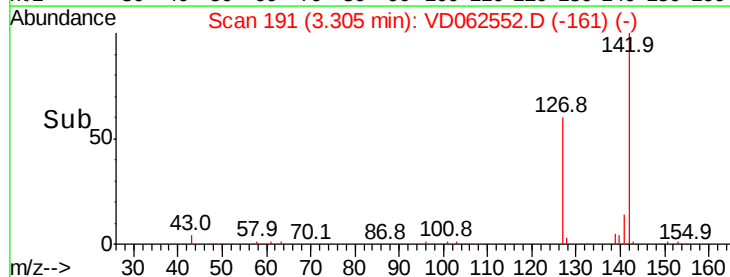
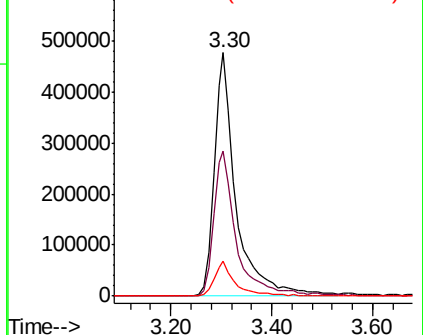
141 14.5 11.0 16.4

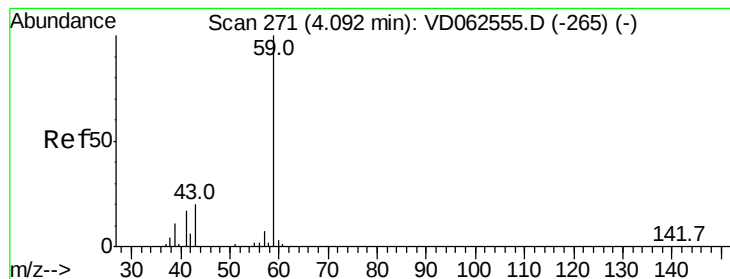


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



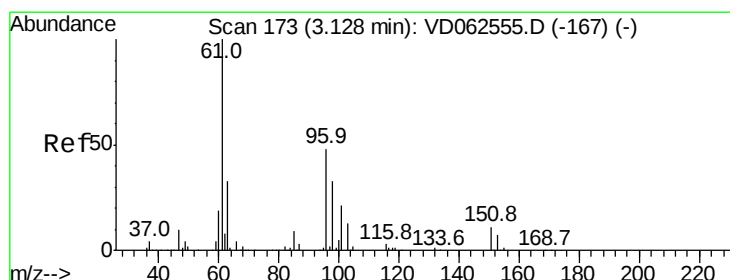
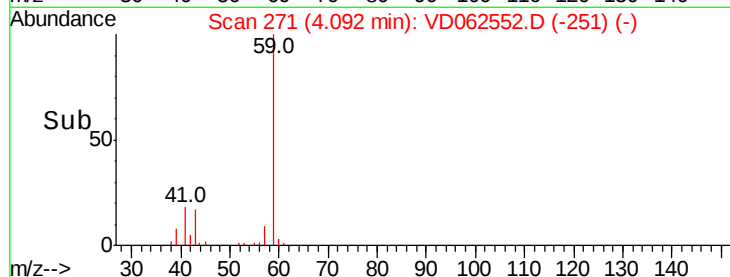
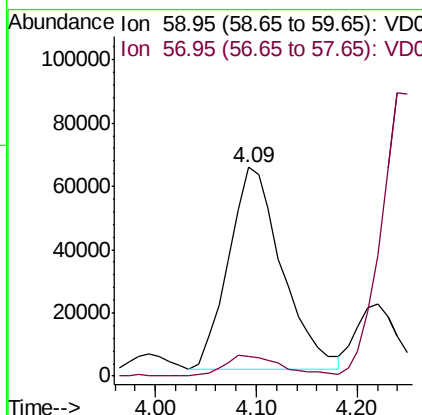
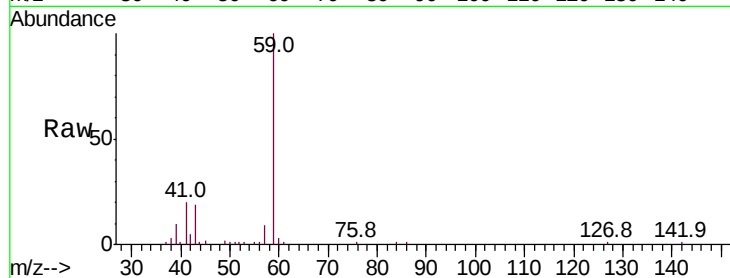


#11

Tert butyl alcohol
Concen: 501.909 ug/l
RT: 4.09 min Scan# 271
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

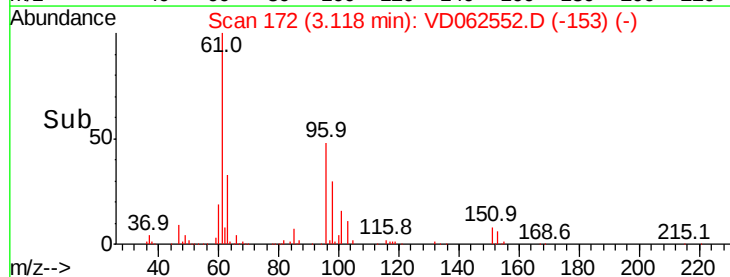
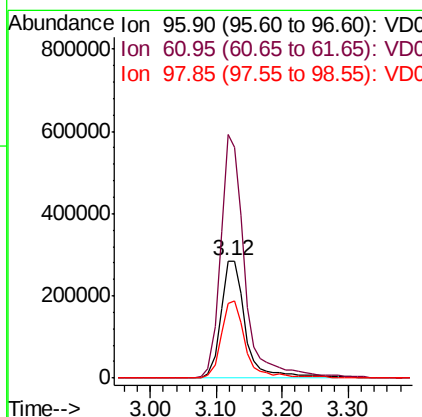
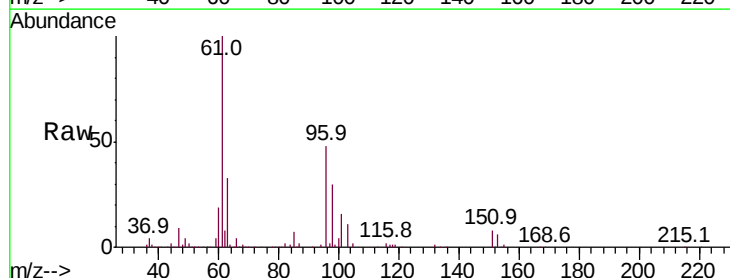
Tot Ion: 59 Resp: 234907
Ion Ratio Lower Upper
59 100
57 9.2 5.4 8.0#

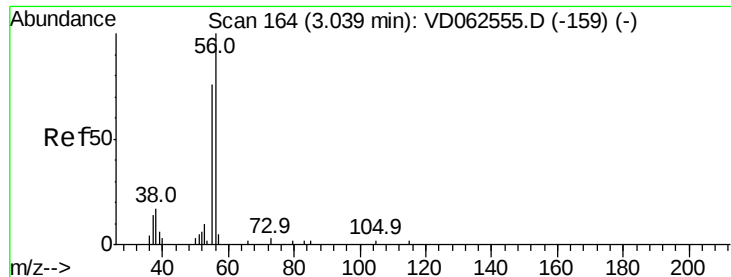


#12

1,1-Dichloroethene
Concen: 106.962 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion: 96 Resp: 746268
Ion Ratio Lower Upper
96 100
61 207.4 166.6 250.0
98 63.3 54.4 81.6





#13

Acrolein

Concen: 466.893 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

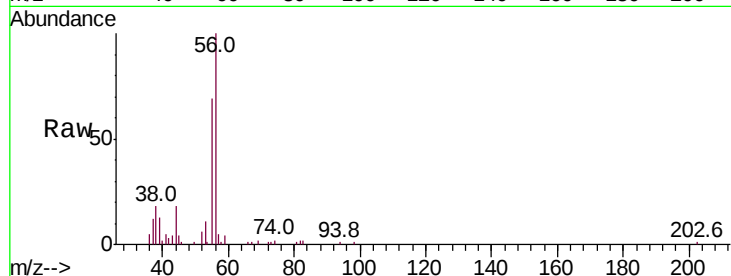
VSTDIC100

Tot Ion: 56 Resp: 94585

Ion Ratio Lower Upper

56 100

55 69.0 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

40000

30000

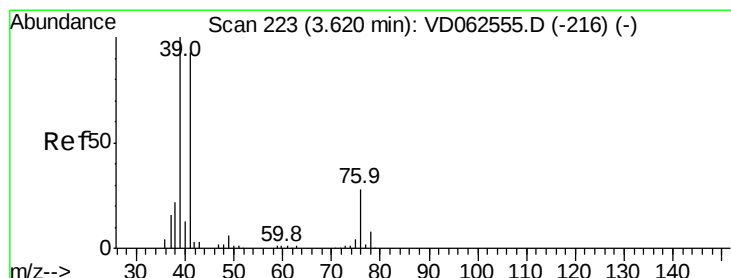
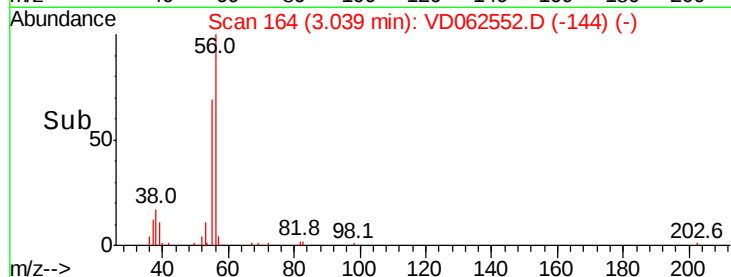
20000

10000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 109.880 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

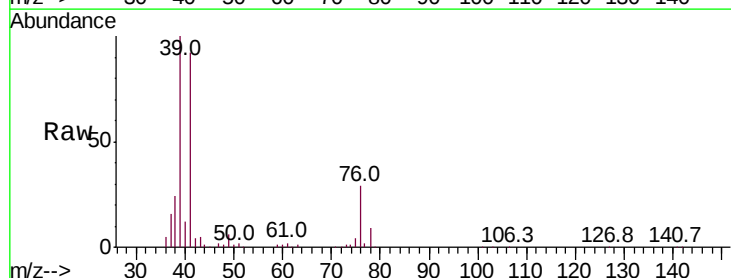
Tgt Ion: 41 Resp: 1200208

Ion Ratio Lower Upper

41 100

39 108.7 86.3 129.5

76 31.9 25.5 38.3



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.62

600000

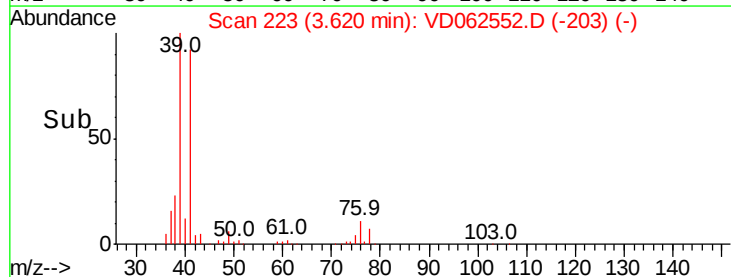
400000

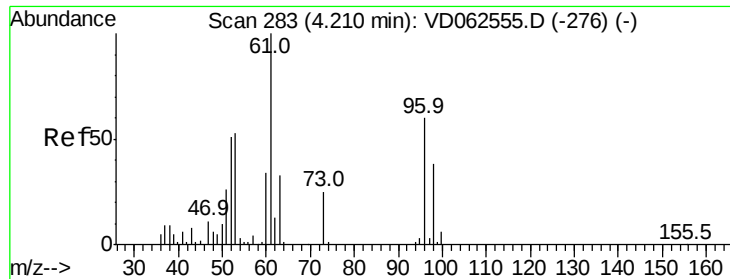
200000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 537.498 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

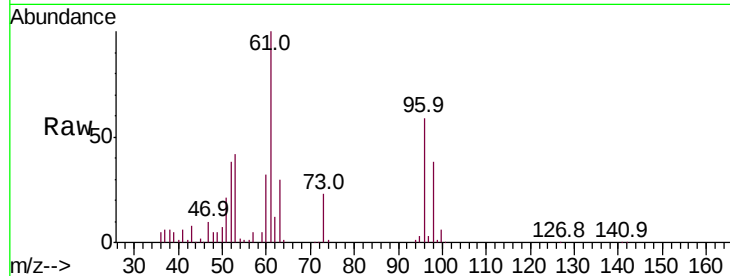
Tot Ion: 53 Resp: 566645

Ion Ratio Lower Upper

53 100

52 89.7 76.2 114.2

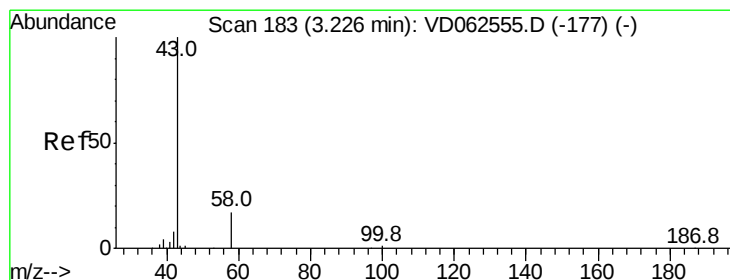
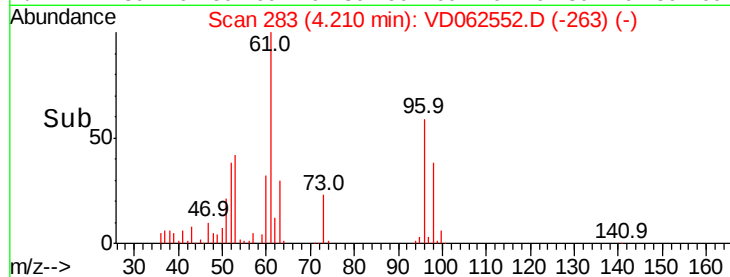
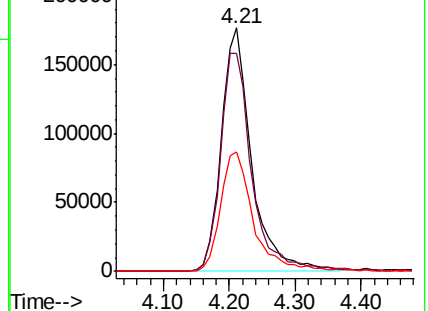
51 49.1 40.2 60.4



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 512.997 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062552.D

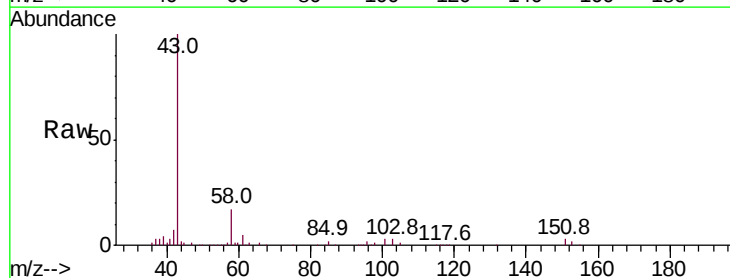
Acq: 30 May 2019 13:54

Tgt Ion: 43 Resp: 1077148

Ion Ratio Lower Upper

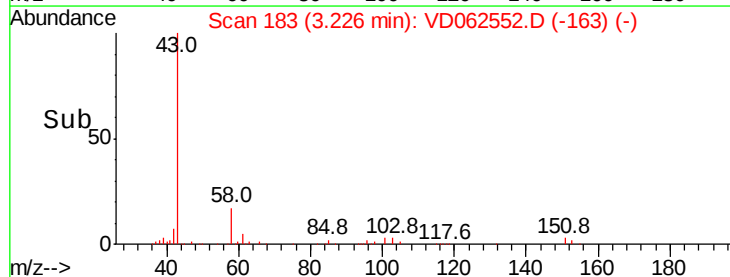
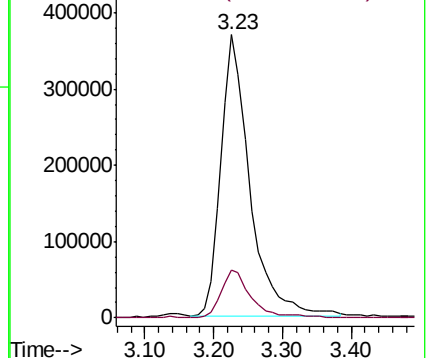
43 100

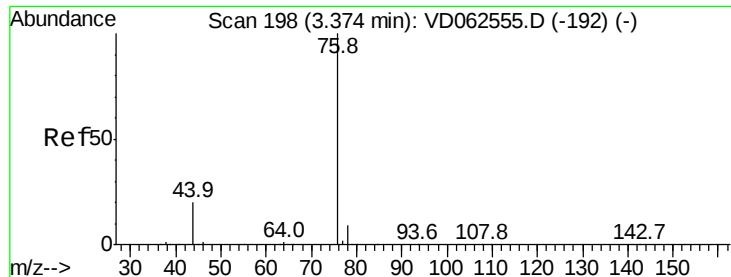
58 17.0 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

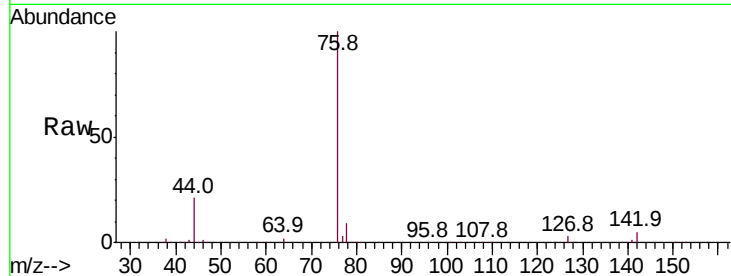




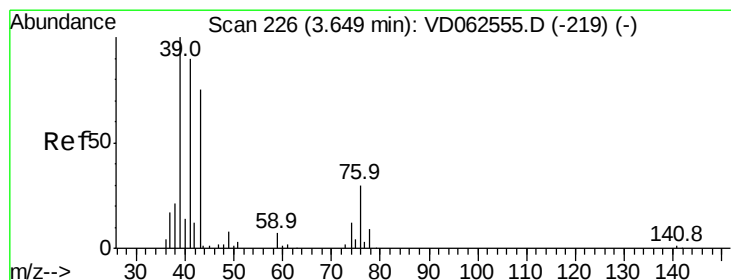
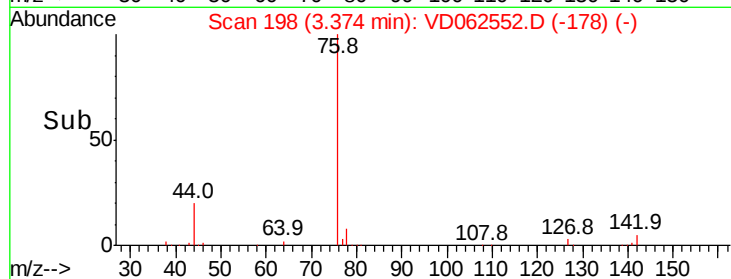
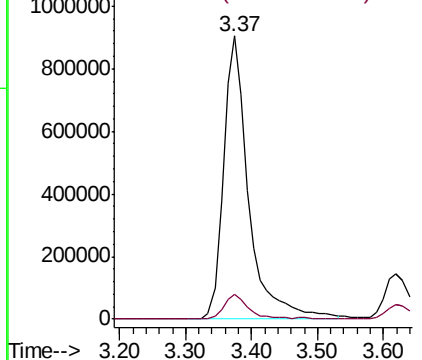
#17
Carbon Disulfide
Concen: 108.906 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 2414504
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2

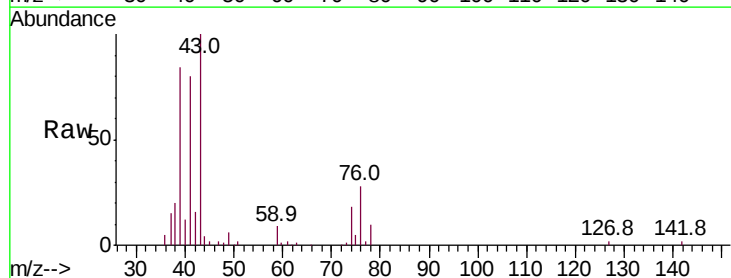


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

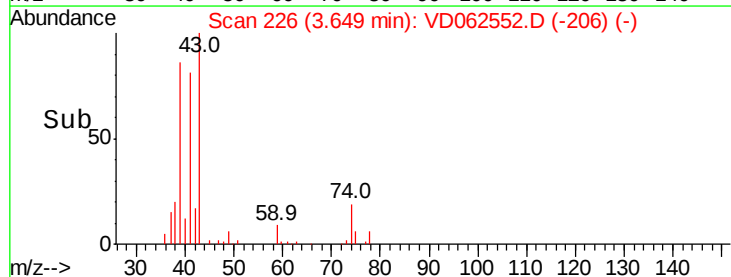
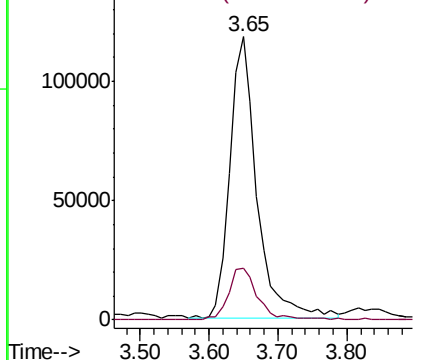


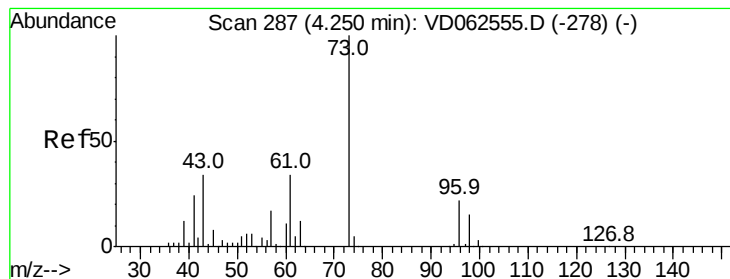
#18
Methyl Acetate
Concen: 94.112 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion: 43 Resp: 321449
Ion Ratio Lower Upper
43 100
74 18.2 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether
 Concen: 101.387 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

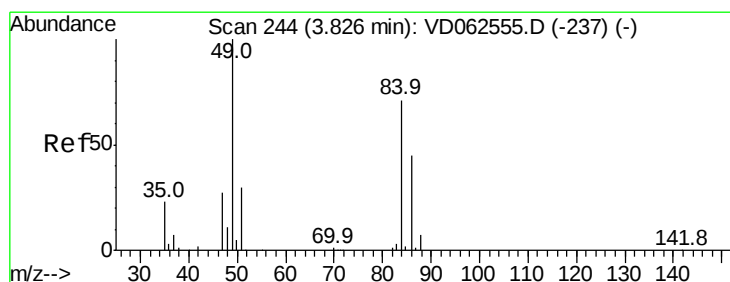
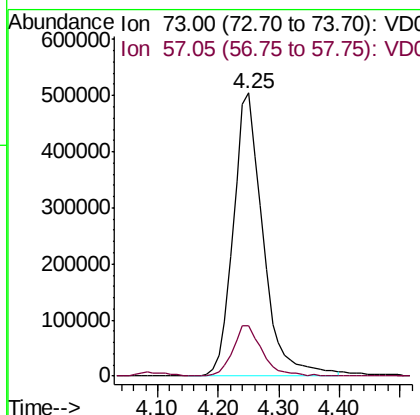
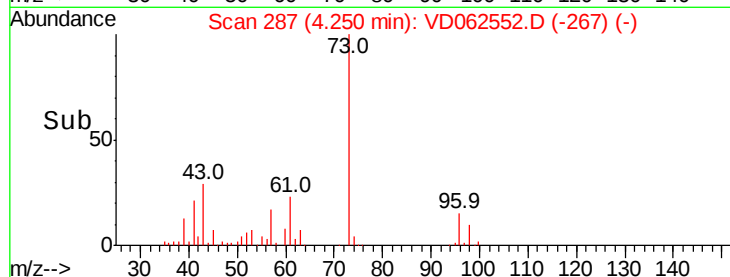
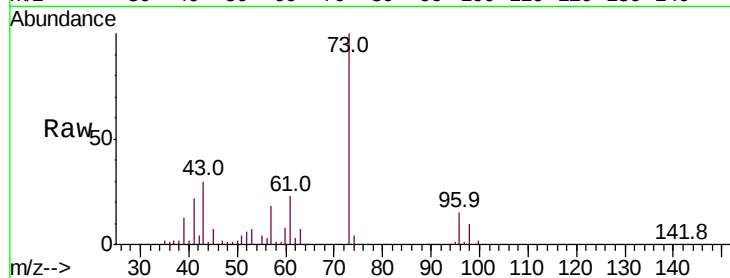
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 1722994

Ion Ratio Lower Upper

73 100

57 17.6 13.8 20.8



#20

Methylene Chloride
 Concen: 103.214 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

Tgt Ion: 84 Resp: 759545

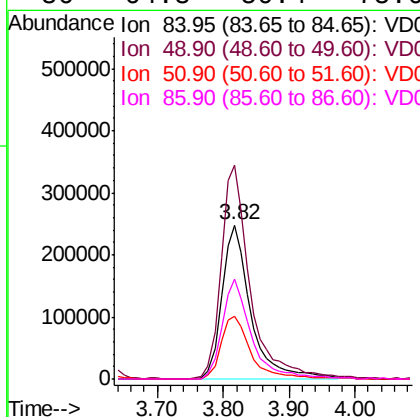
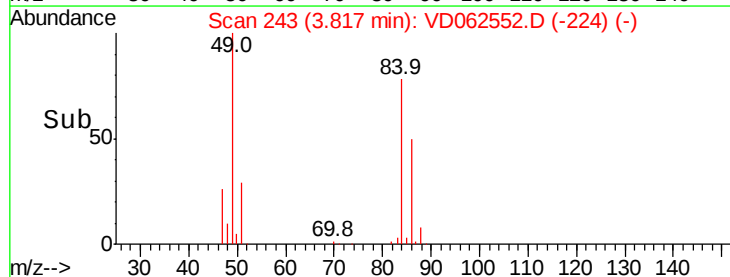
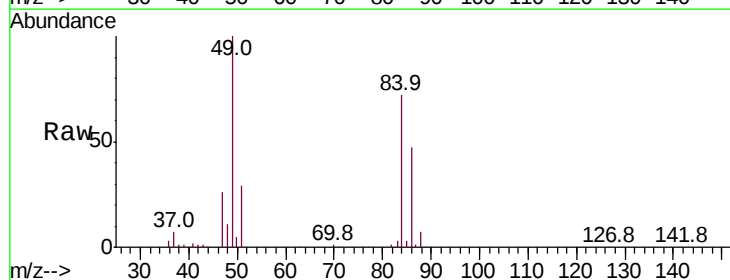
Ion Ratio Lower Upper

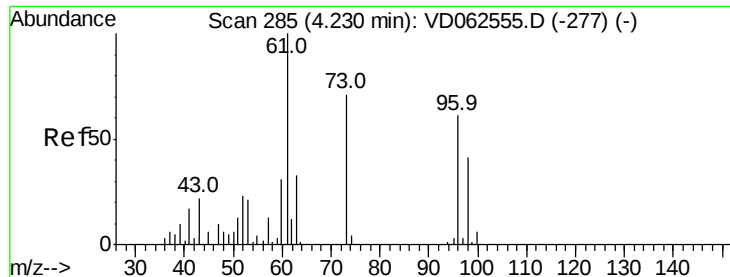
84 100

49 138.6 112.3 168.5

51 40.8 33.6 50.4

86 64.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 105.887 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

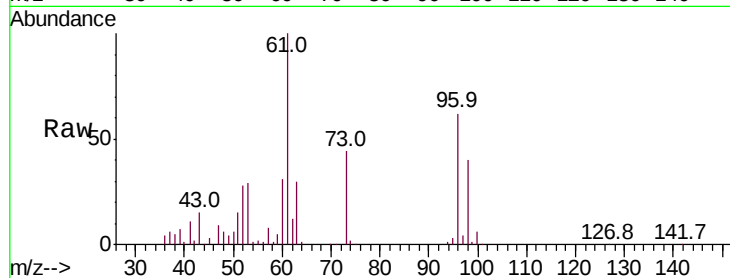
Tot Ion: 96 Resp: 837566

Ion Ratio Lower Upper

96 100

61 160.8 131.1 196.7

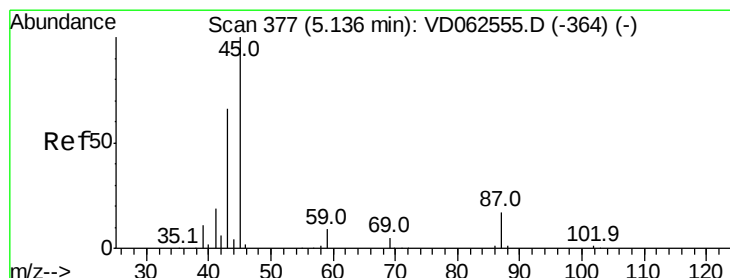
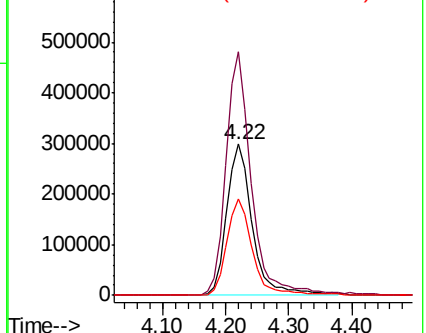
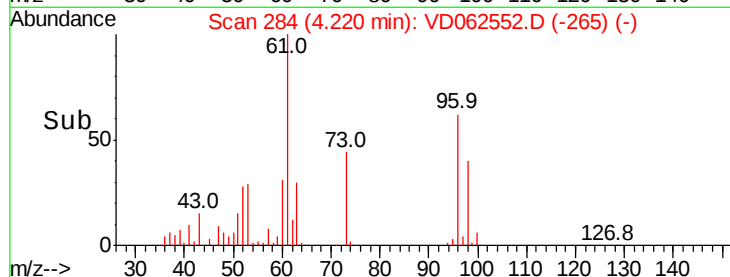
98 63.8 54.2 81.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 109.608 ug/l

RT: 5.14 min Scan# 377

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Tgt Ion: 45 Resp: 2410116

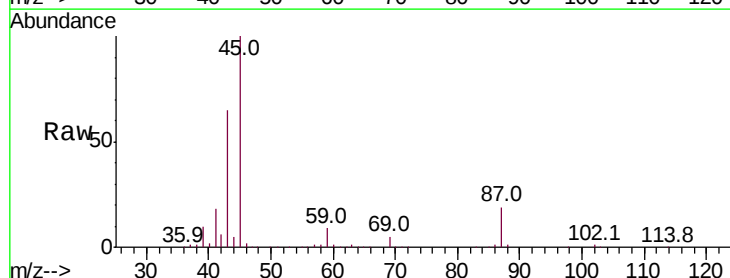
Ion Ratio Lower Upper

45 100

43 65.0 53.6 80.4

87 18.7 14.2 21.4

59 8.8 7.3 10.9

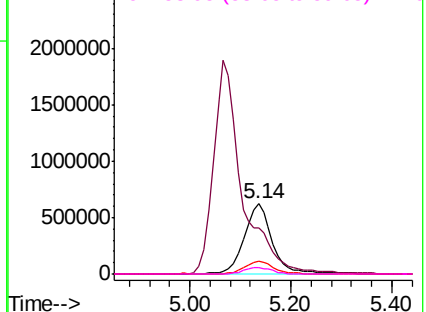
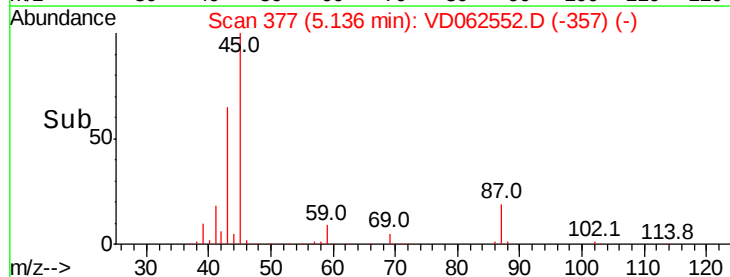


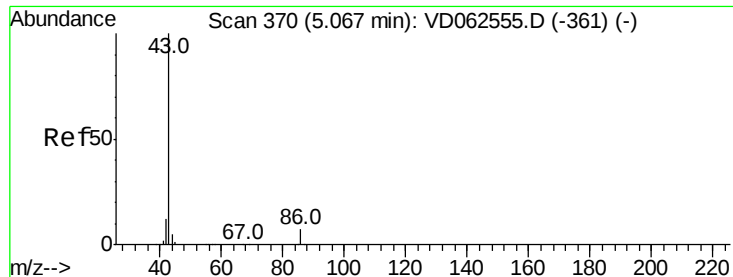
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 551.707 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

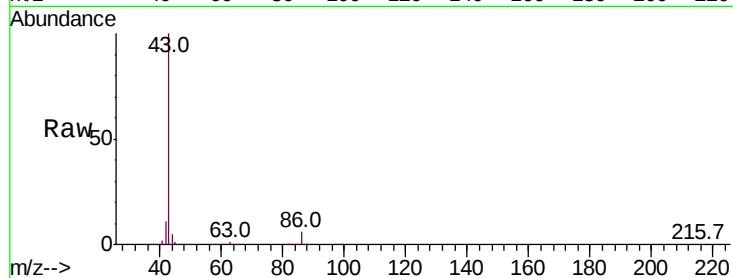
VSTDIC100

Tot Ion: 43 Resp: 7382917

Ion Ratio Lower Upper

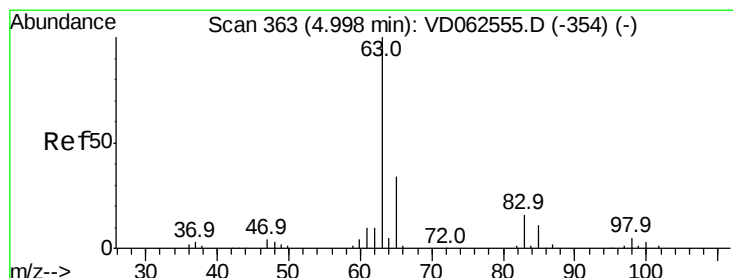
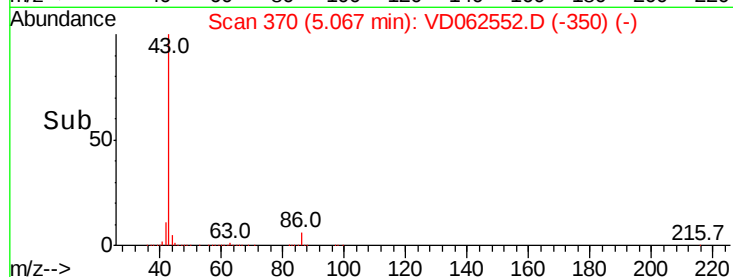
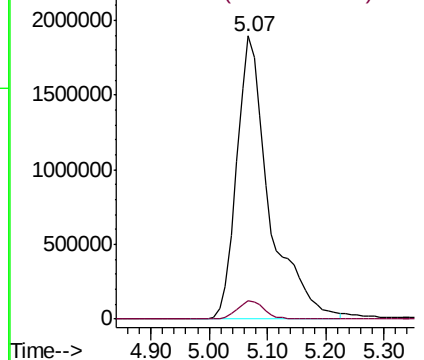
43 100

86 6.4 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 108.502 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

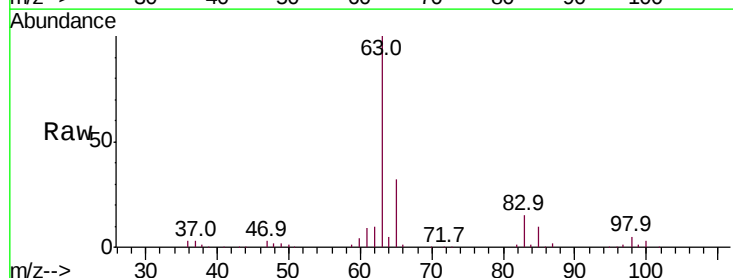
Tgt Ion: 63 Resp: 1558621

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.5

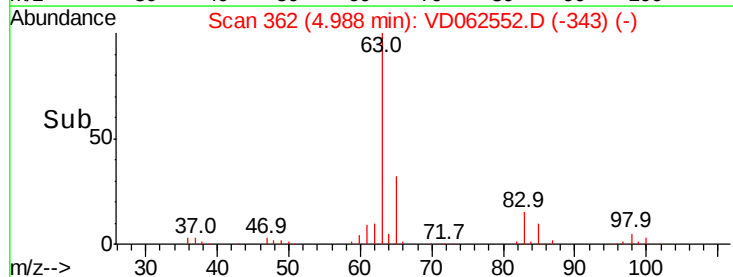
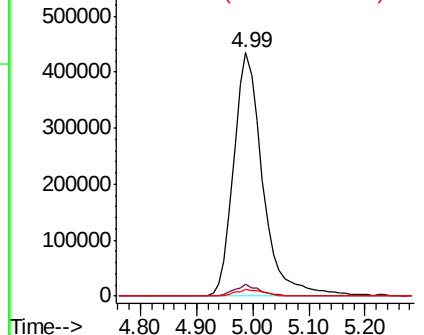
100 2.6 1.6 4.7

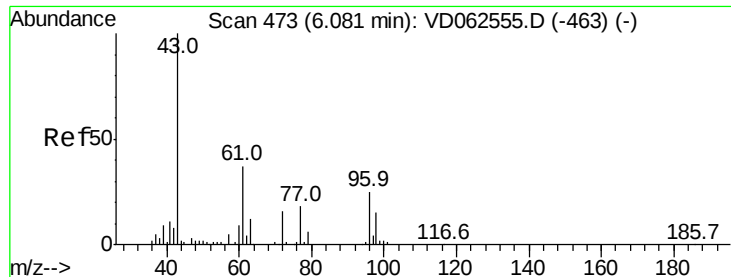


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 551.043 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

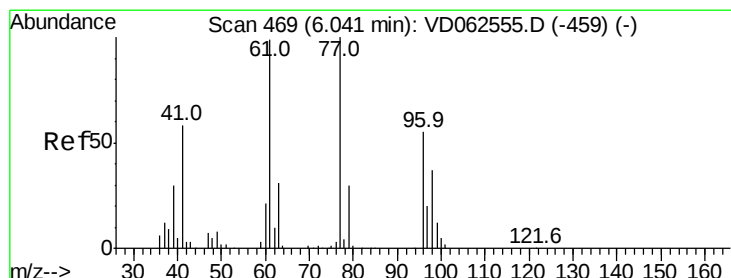
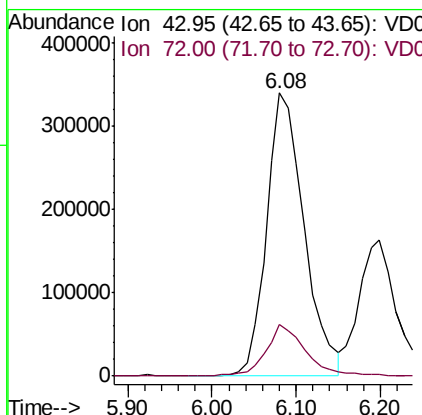
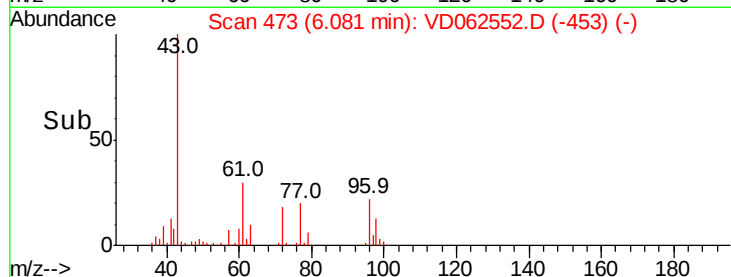
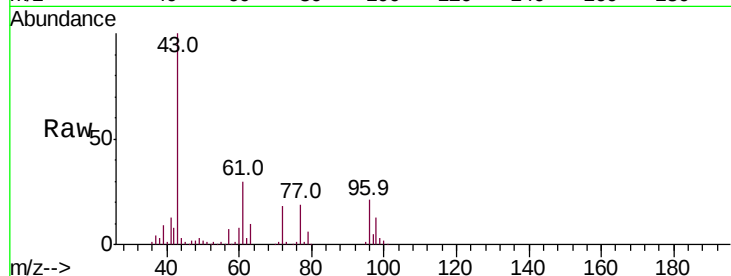
VSTDIC100

Tot Ion: 43 Resp: 1063306

Ion Ratio Lower Upper

43 100

72 18.4 12.7 19.1



#26

2,2-Dichloropropane

Concen: 106.977 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062552.D

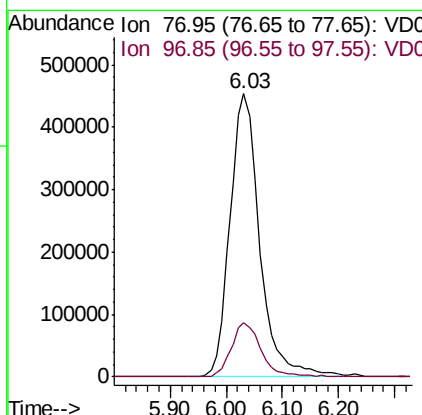
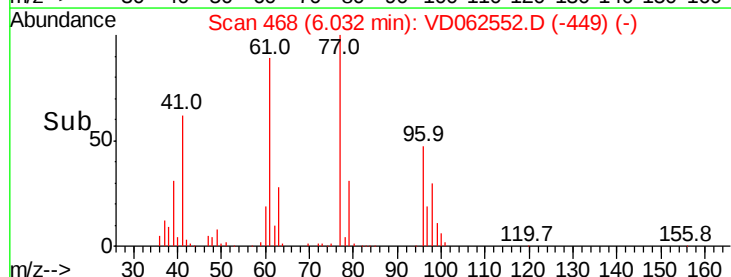
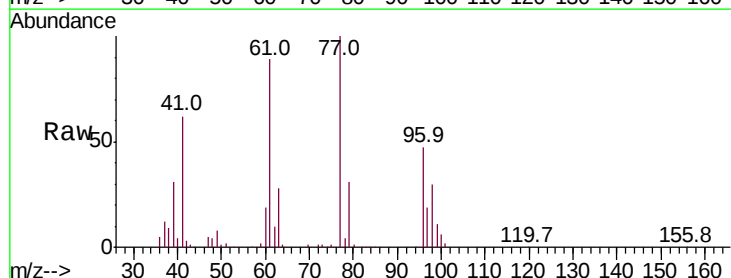
Acq: 30 May 2019 13:54

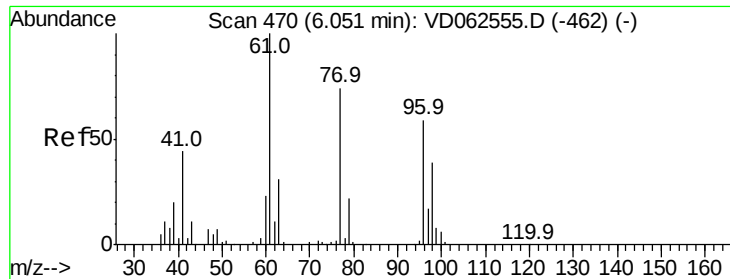
Tgt Ion: 77 Resp: 1668505

Ion Ratio Lower Upper

77 100

97 19.2 9.8 29.3



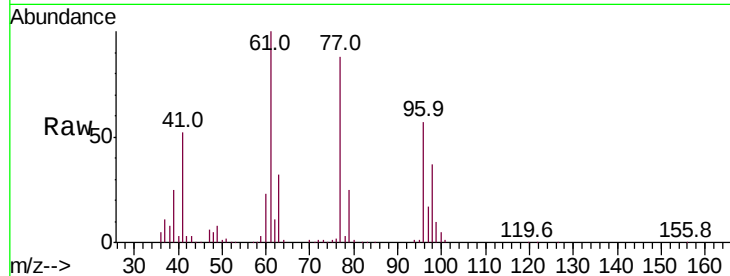


#27

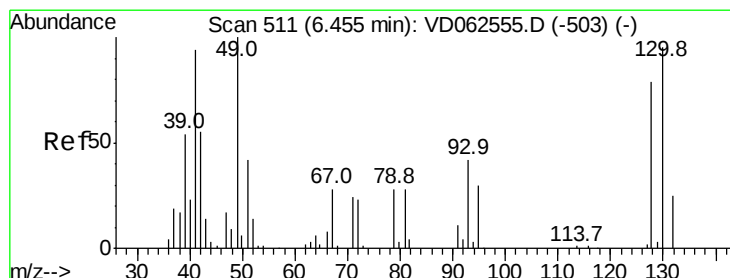
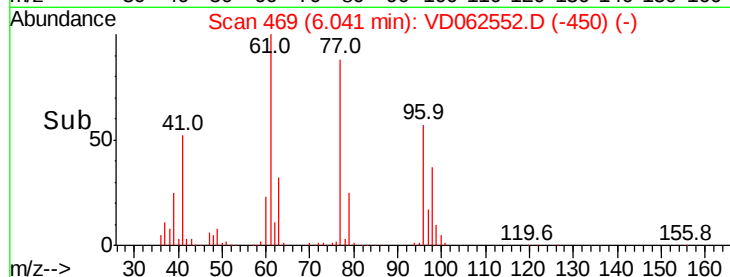
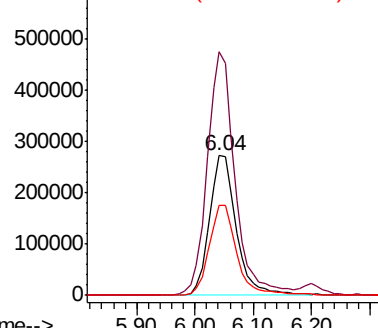
cis-1,2-Dichloroethene
Concen: 107.738 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 877837
Ion Ratio Lower Upper
96 100
61 174.2 0.0 342.4
98 64.8 0.0 134.6



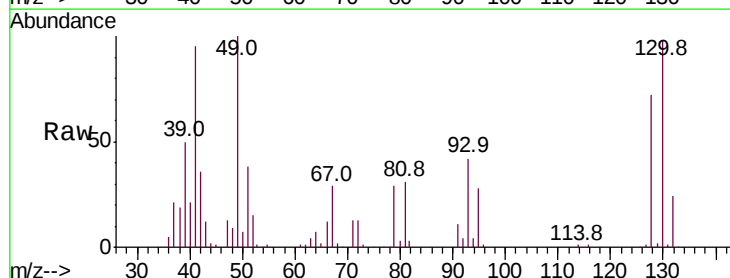
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



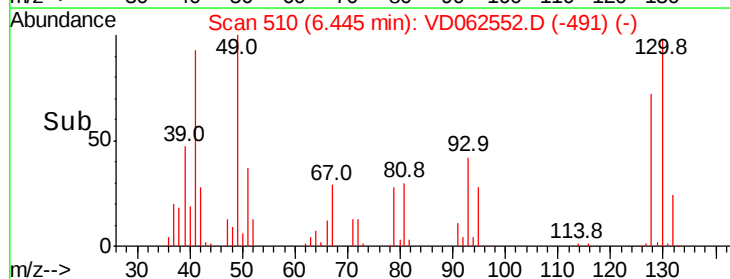
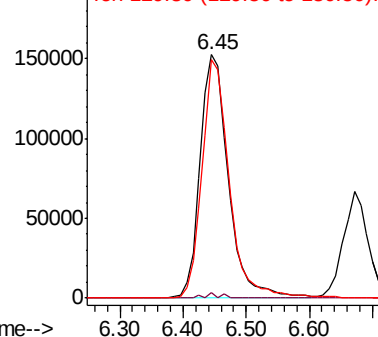
#28

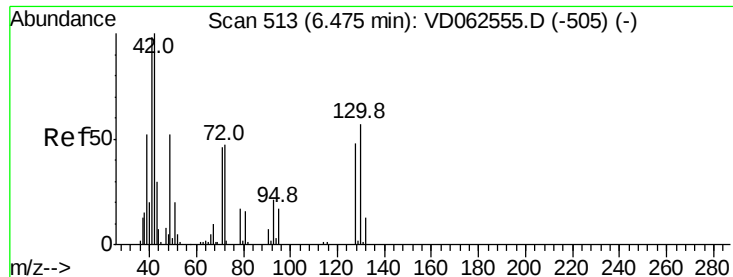
Bromochloromethane
Concen: 98.859 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion: 49 Resp: 470992
Ion Ratio Lower Upper
49 100
129 2.2 0.0 5.6
130 97.9 75.8 113.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 530.518 ug/l

RT: 6.47 min Scan# 513

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

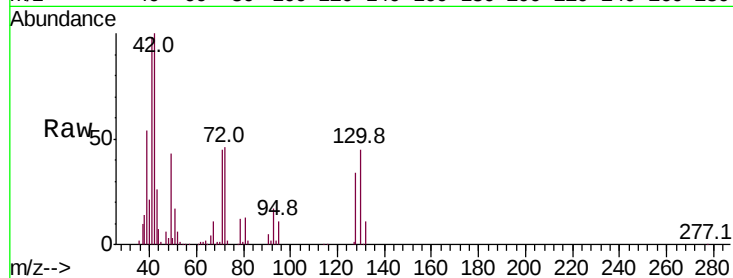
Tot Ion: 42 Resp: 470647

Ion Ratio Lower Upper

42 100

72 42.7 34.5 51.7

71 43.6 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

6.47

150000

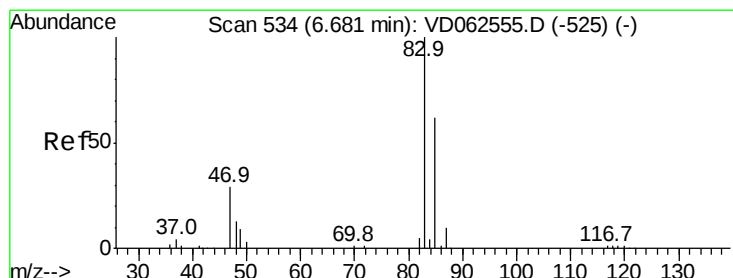
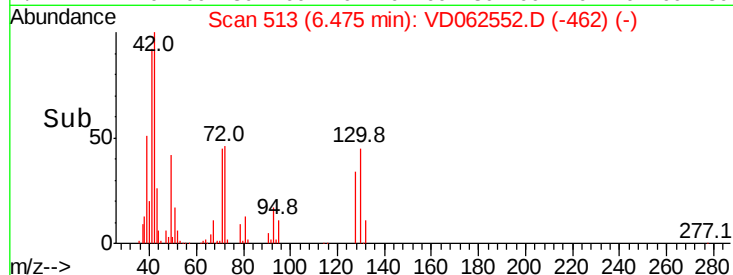
100000

50000

0

6.30 6.40 6.50 6.60 6.70

Time-->



#30

Chloroform

Concen: 107.090 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD062552.D

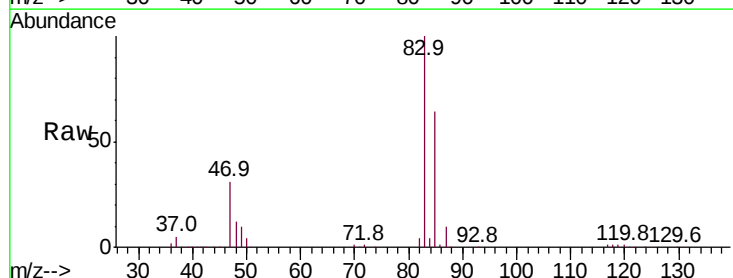
Acq: 30 May 2019 13:54

Tgt Ion: 83 Resp: 1851071

Ion Ratio Lower Upper

83 100

85 64.3 49.4 74.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

6.67

600000

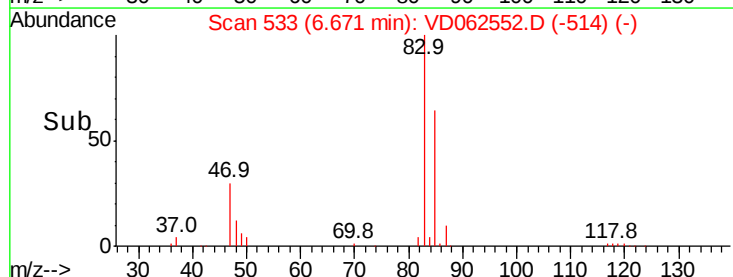
400000

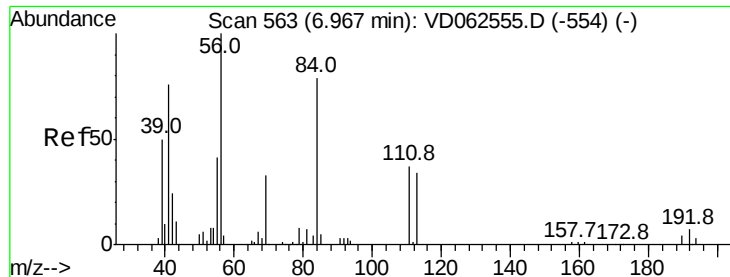
200000

0

6.50 6.60 6.70 6.80 6.90

Time-->

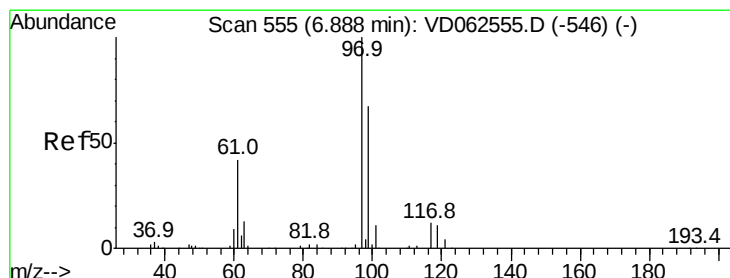
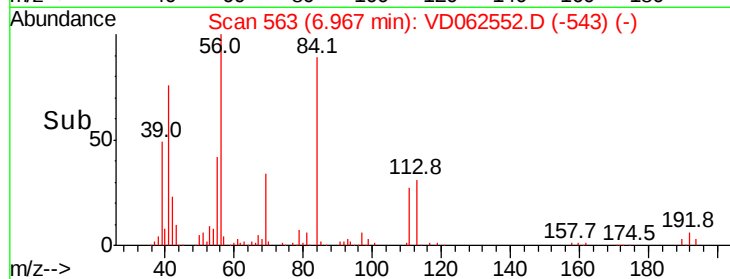
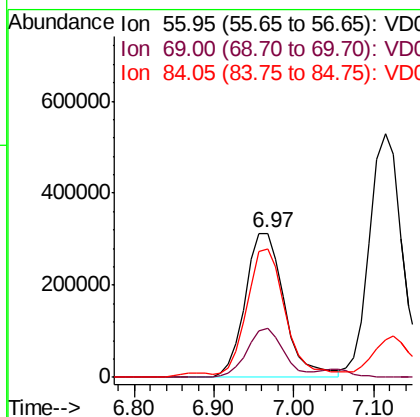
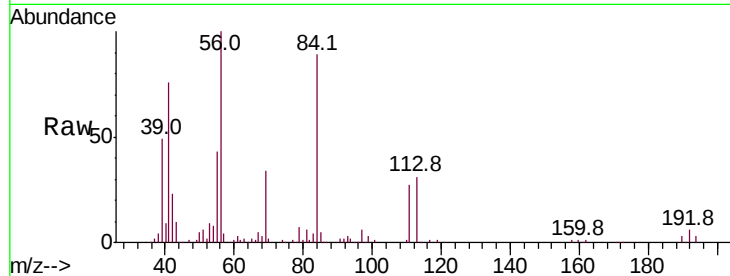




#31
Cyclohexane
Concen: 112.039 ug/l
RT: 6.97 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

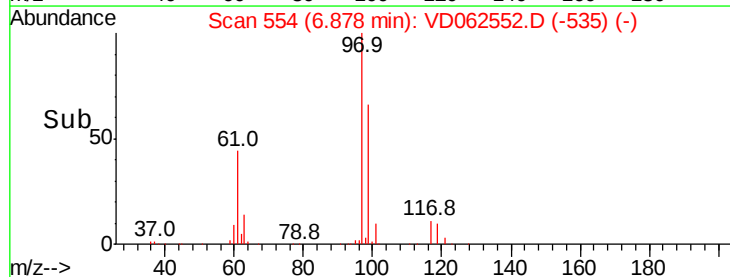
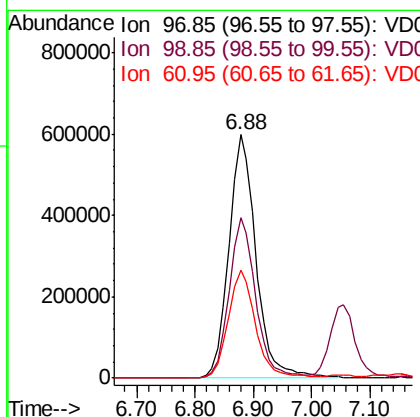
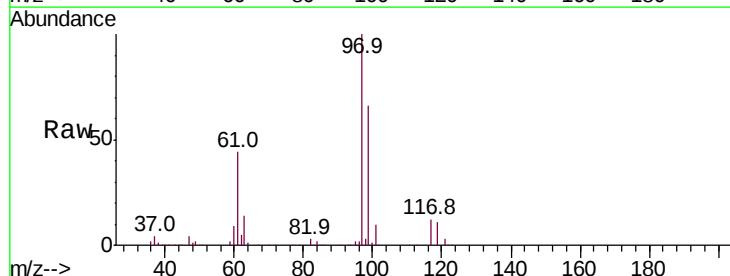
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

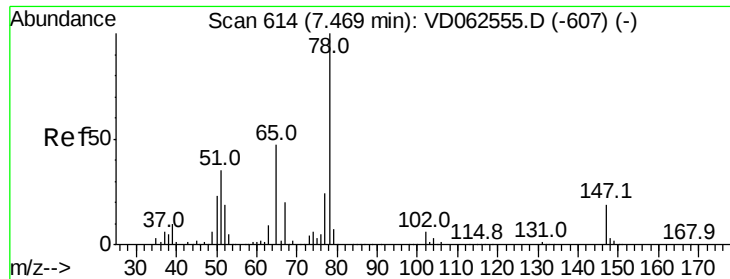
Tot Ion: 56 Resp: 1066242
Ion Ratio Lower Upper
56 100
69 34.1 26.2 39.2
84 89.4 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 109.209 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion: 97 Resp: 1927660
Ion Ratio Lower Upper
97 100
99 65.7 53.6 80.4
61 44.2 33.9 50.9





#33

1,2-Dichloroethane-d4

Concen: 104.868 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

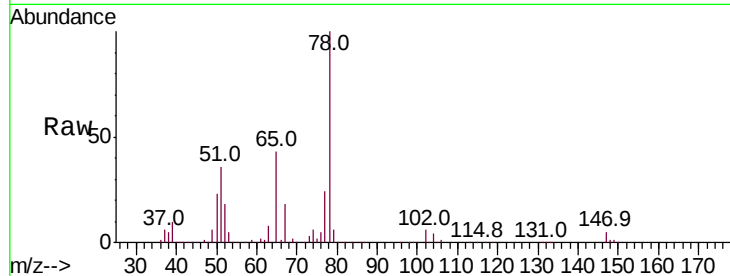
VSTDIC100

Tot Ion: 65 Resp: 1067636

Ion Ratio Lower Upper

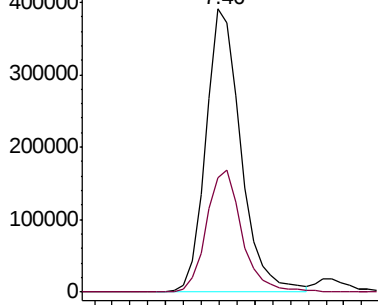
65 100

67 40.5 0.0 83.6

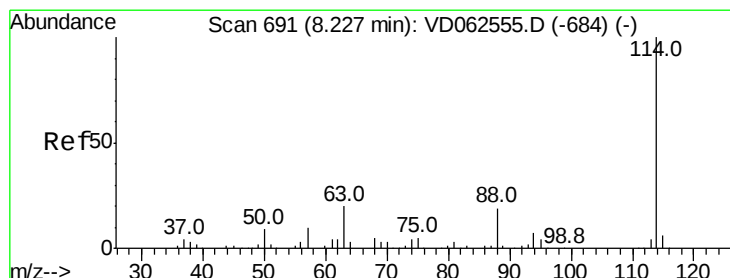
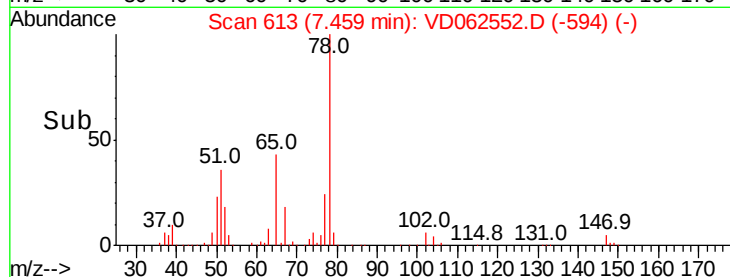


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

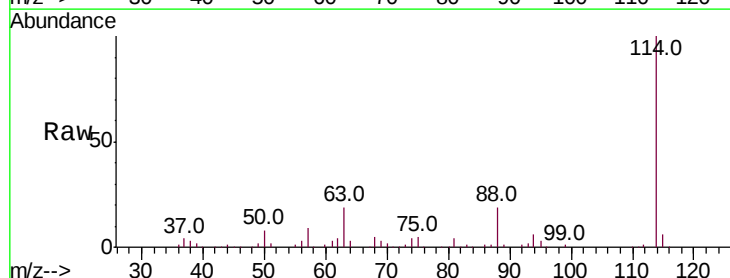
Tgt Ion: 114 Resp: 1254094

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.6

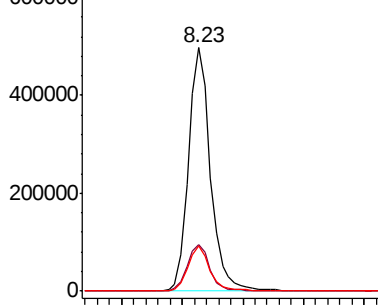
88 18.8 0.0 37.6



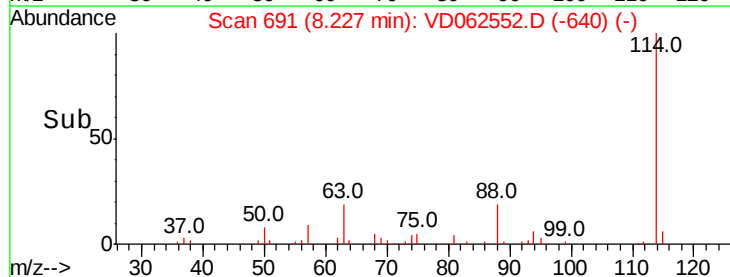
Abundance Ion 114.00 (113.70 to 114.70): V

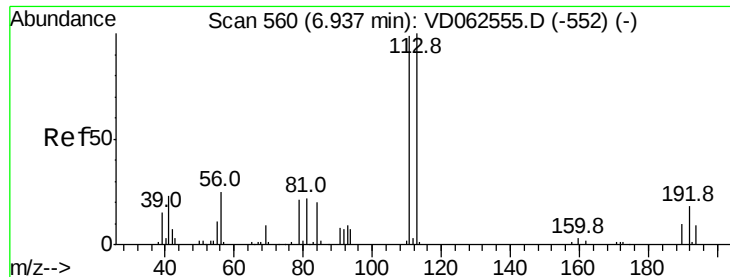
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





#35

Dibromofluoromethane

Concen: 100.746 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

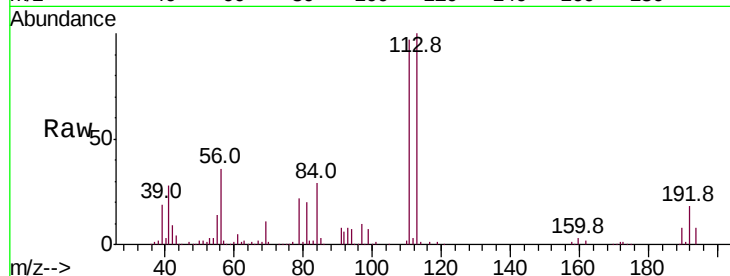
Tot Ion:113 Resp: 1167568

Ion Ratio Lower Upper

113 100

111 97.3 78.8 118.2

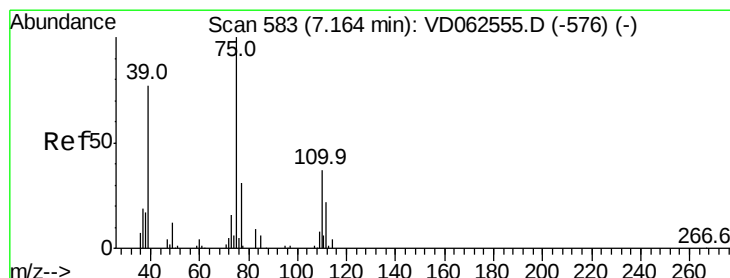
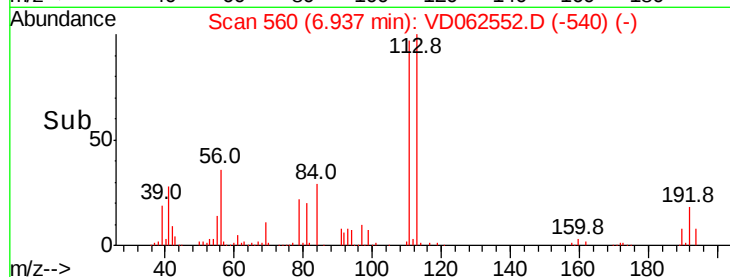
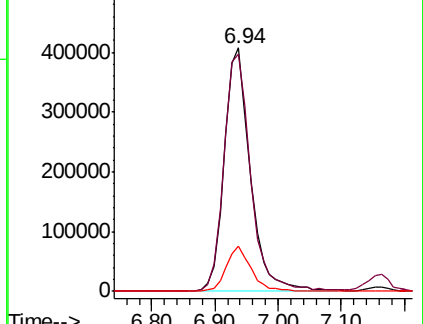
192 18.4 14.6 22.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 99.639 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

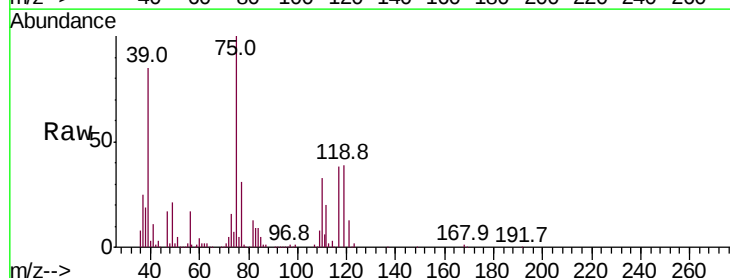
Tgt Ion: 75 Resp: 1267287

Ion Ratio Lower Upper

75 100

110 33.2 18.3 54.8

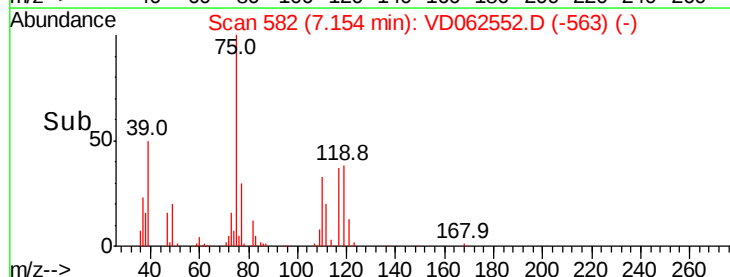
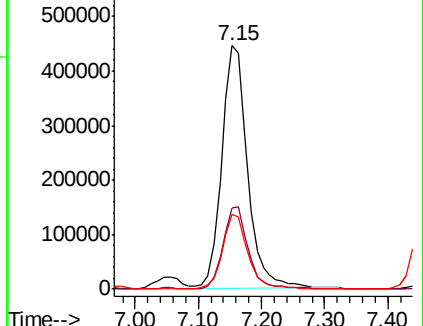
77 30.7 24.4 36.6

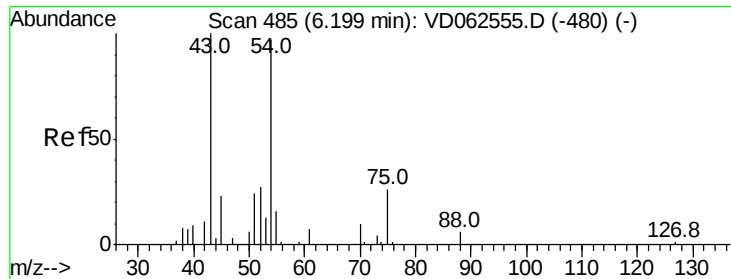


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

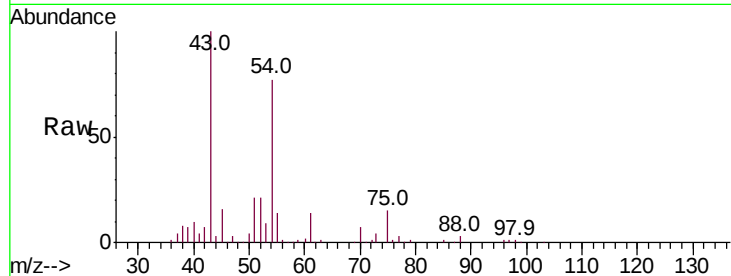




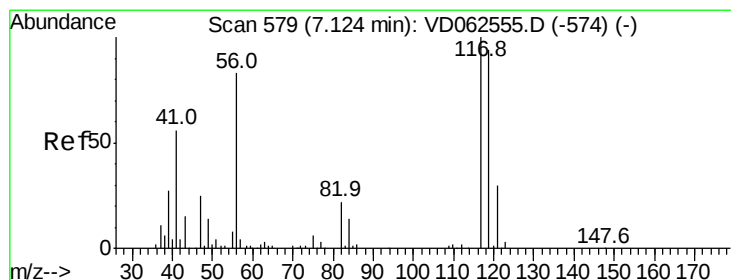
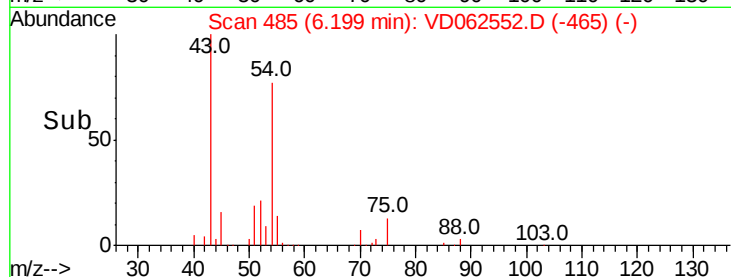
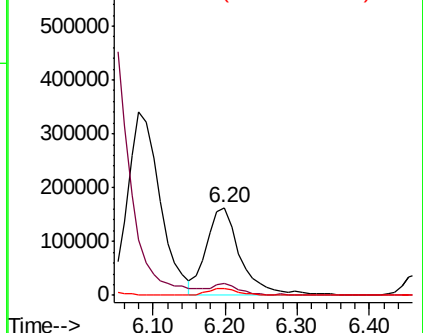
#37
Ethyl Acetate
Concen: 90.727 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 515284
Ion Ratio Lower Upper
43 100
61 13.9 9.8 14.8
70 7.1 6.5 9.7

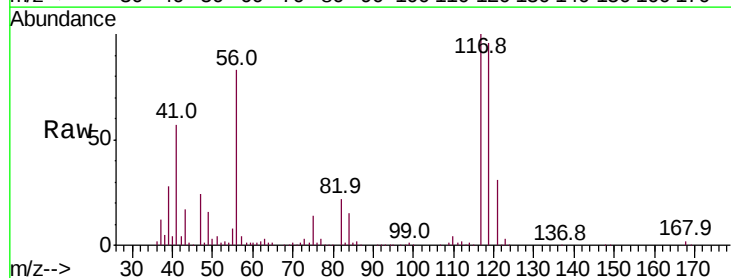


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

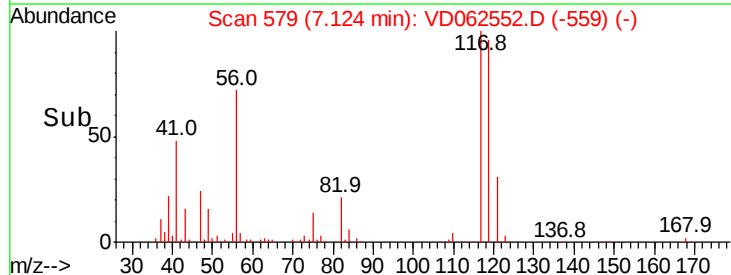
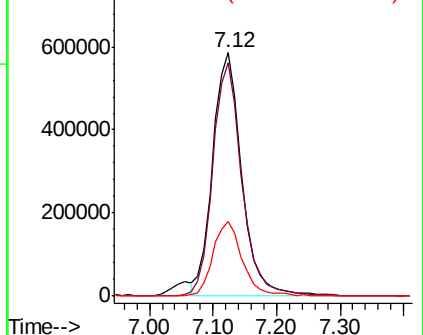


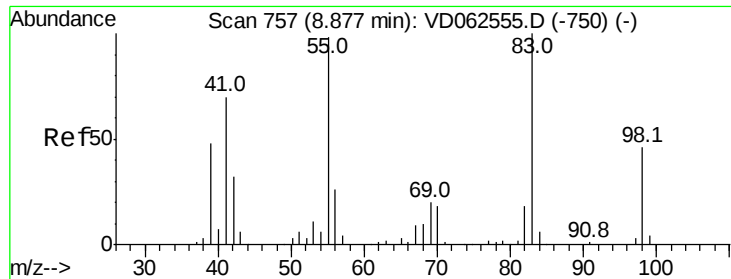
#38
Carbon Tetrachloride
Concen: 97.778 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion: 117 Resp: 1878357
Ion Ratio Lower Upper
117 100
119 95.9 71.4 107.2
121 30.9 22.5 33.7



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

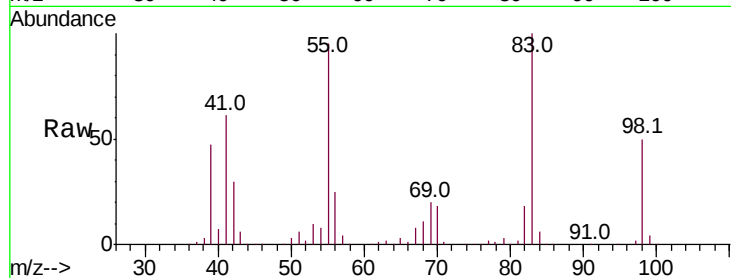




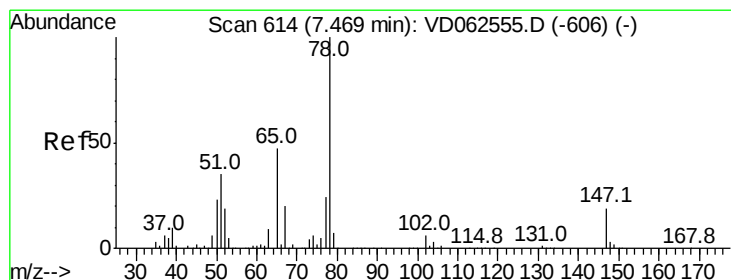
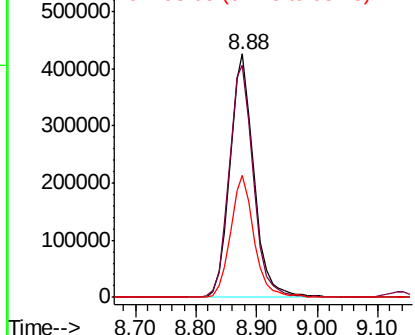
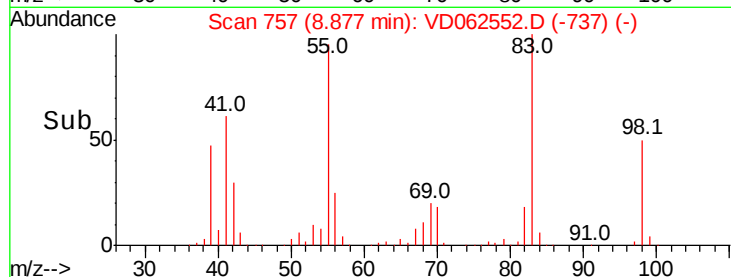
#39
Methvlcvclohexane
Concen: 109.305 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1164655
Ion Ratio Lower Upper
83 100
55 95.3 78.7 118.1
98 50.1 37.2 55.8

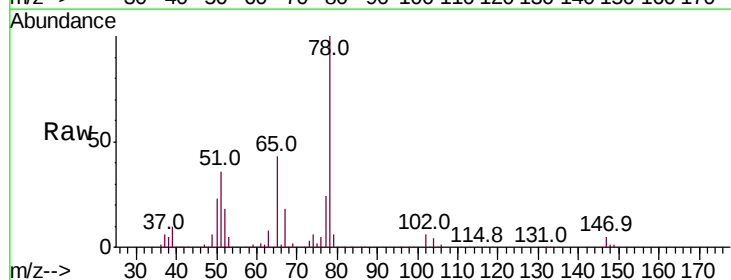


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

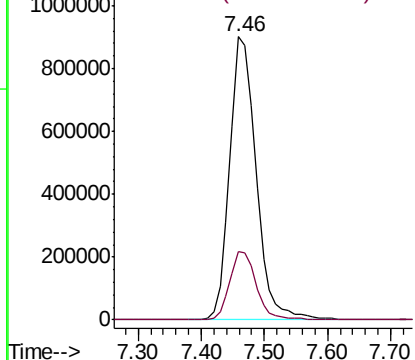
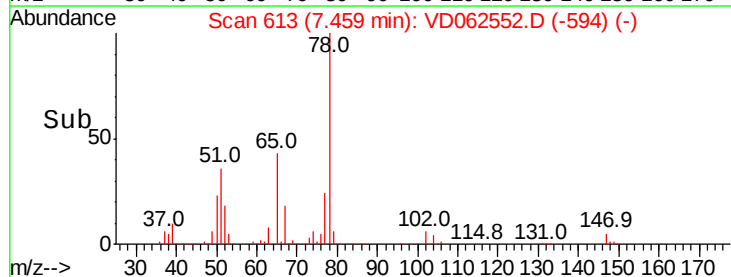


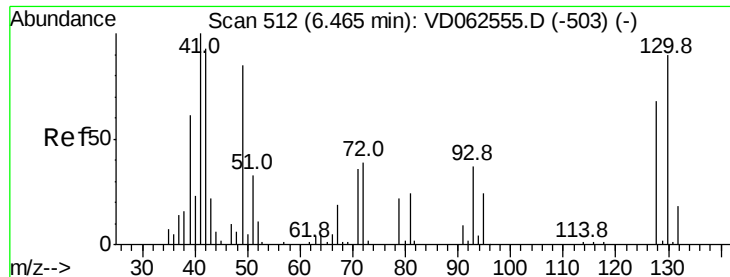
#40
Benzene
Concen: 104.451 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion: 78 Resp: 2609632
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 102.956 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

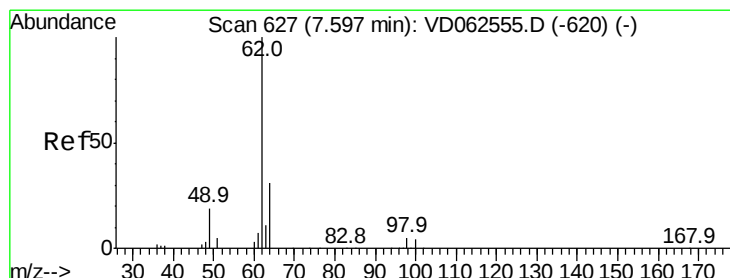
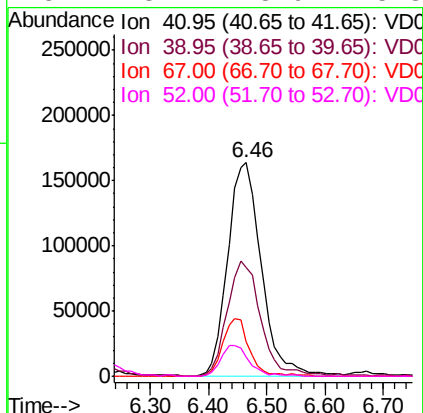
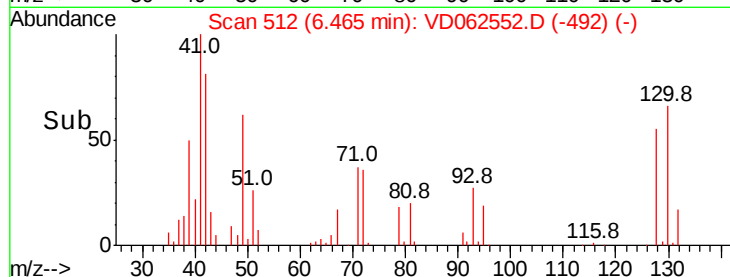
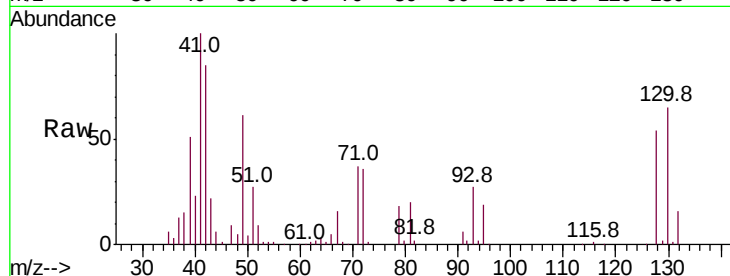
ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 655447

Ion Ratio Lower Upper

41	100		
39	51.1	49.0	73.6
67	16.4	15.5	23.3
52	8.7	8.9	13.3#



#42

1,2-Dichloroethane

Concen: 104.116 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

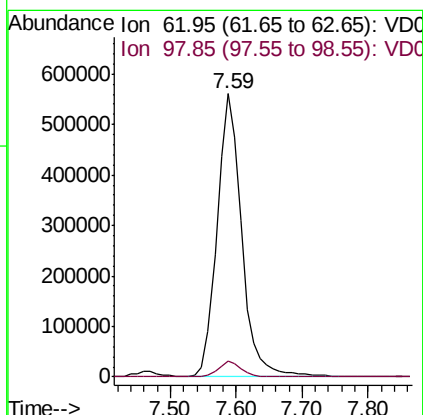
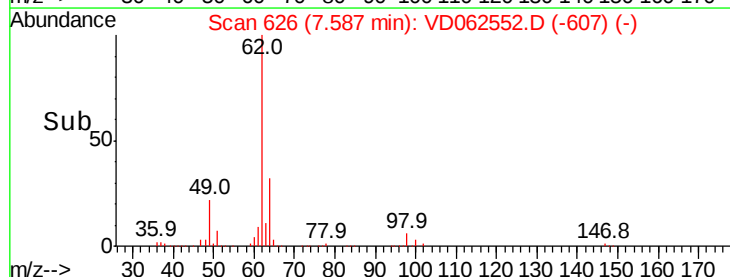
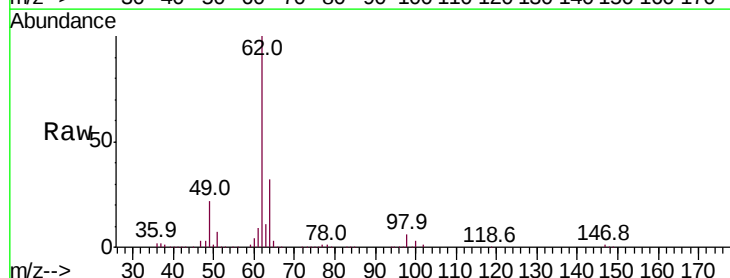
Lab File: VD062552.D

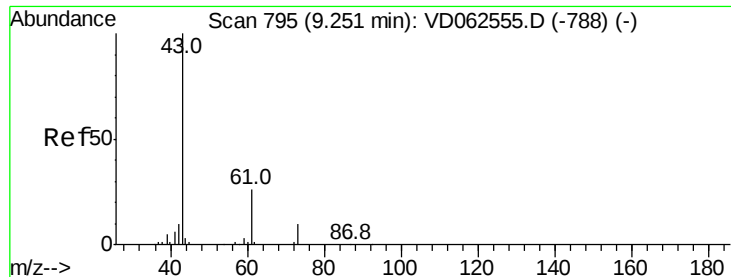
Acq: 30 May 2019 13:54

Tgt Ion: 62 Resp: 1452259

Ion Ratio Lower Upper

62	100		
98	5.8	0.0	11.0





#43

Isopropyl Acetate

Concen: 106.868 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

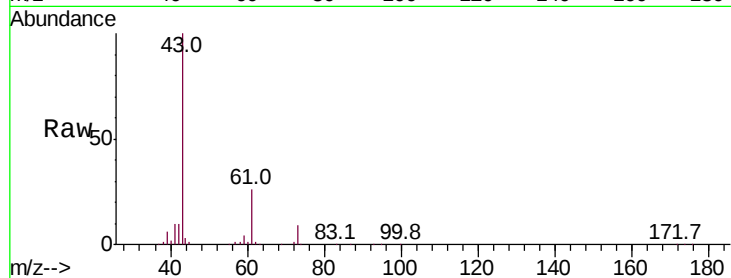
Tot Ion: 43 Resp: 719659

Ion Ratio Lower Upper

43 100

61 26.5 20.5 30.7

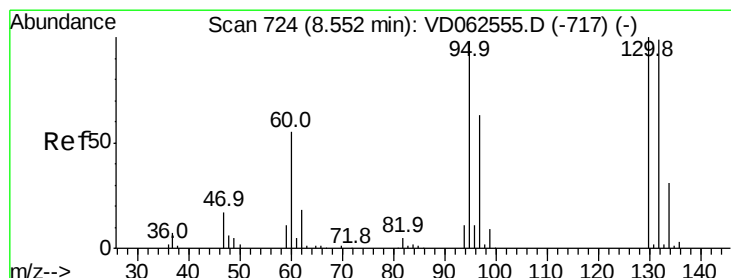
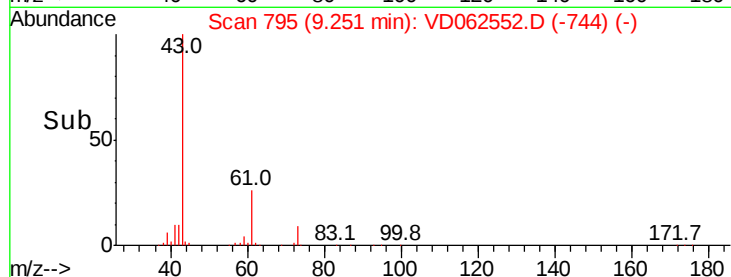
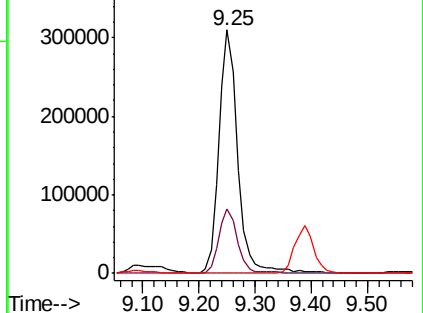
87 0.4 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 104.128 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD062552.D

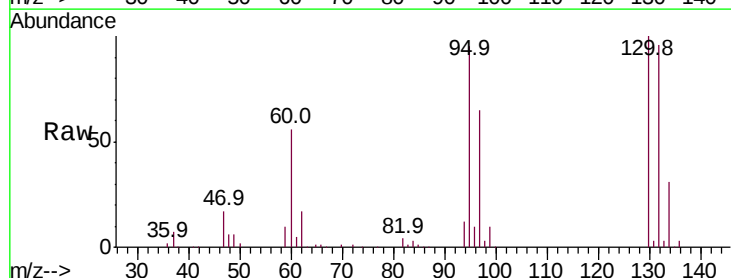
Acq: 30 May 2019 13:54

Tgt Ion:130 Resp: 1041327

Ion Ratio Lower Upper

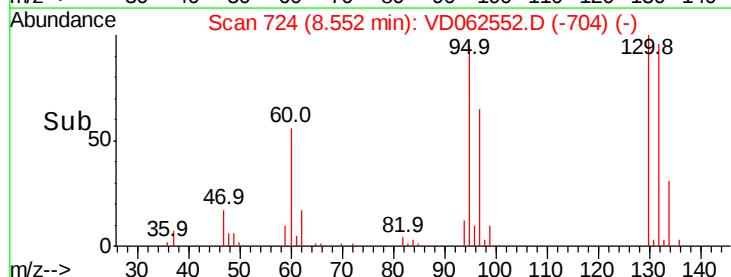
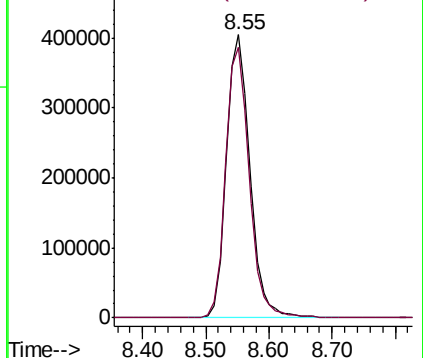
130 100

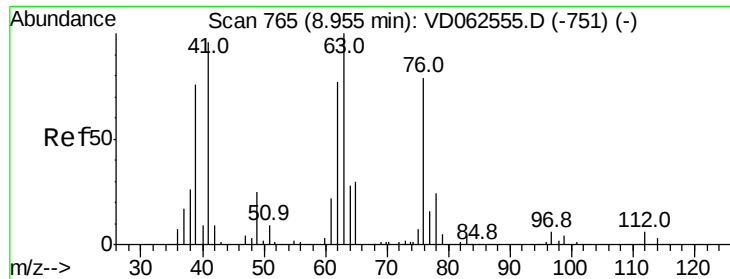
95 95.4 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 104.500 ug/l

RT: 8.96 min Scan# 765

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

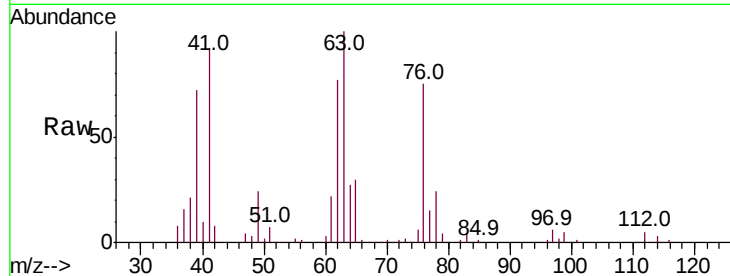
VSTDIC100

Tot Ion: 63 Resp: 641318

Ion Ratio Lower Upper

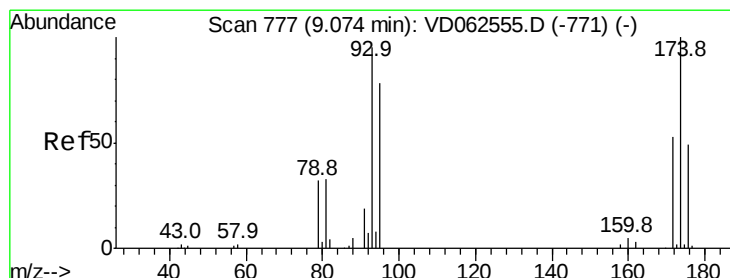
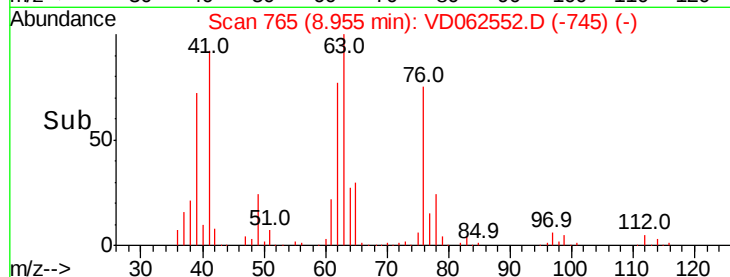
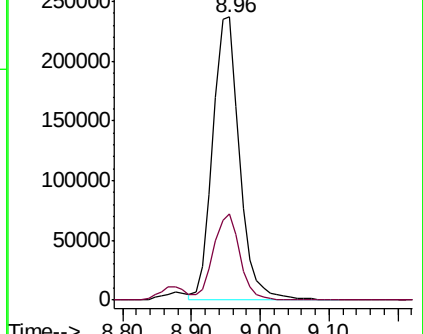
63 100

65 30.4 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 103.919 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

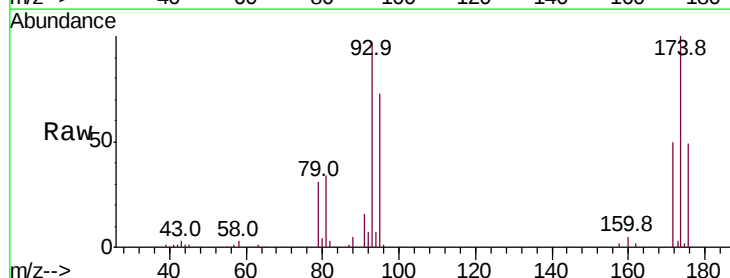
Tgt Ion: 93 Resp: 531957

Ion Ratio Lower Upper

93 100

95 75.3 66.1 99.1

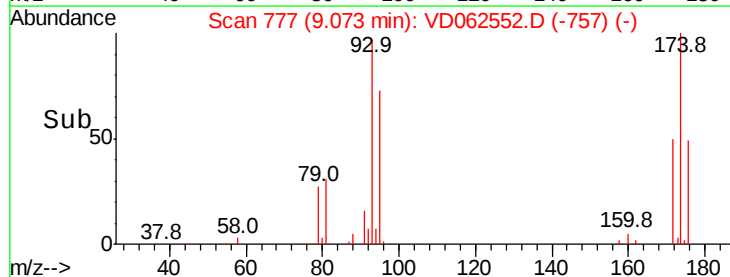
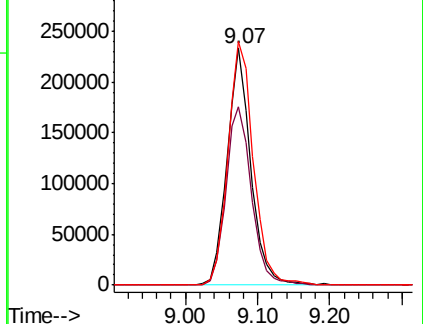
174 102.7 84.2 126.4

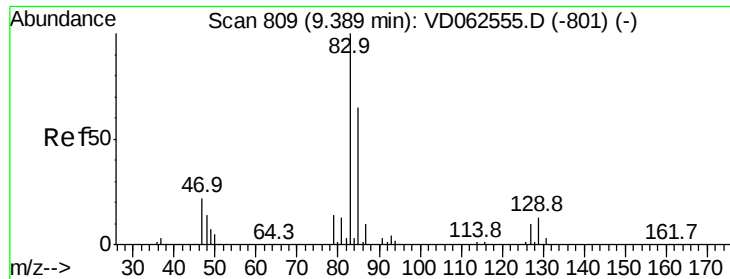


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 99.035 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

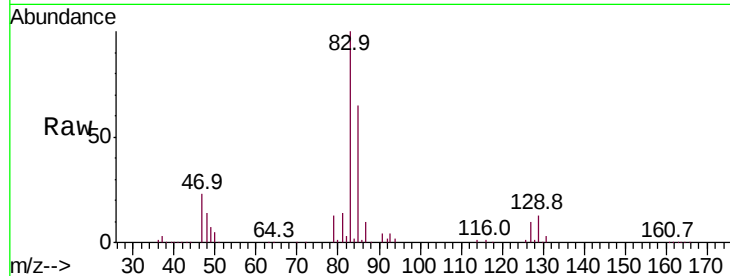
Tot Ion: 83 Resp: 1408217

Ion Ratio Lower Upper

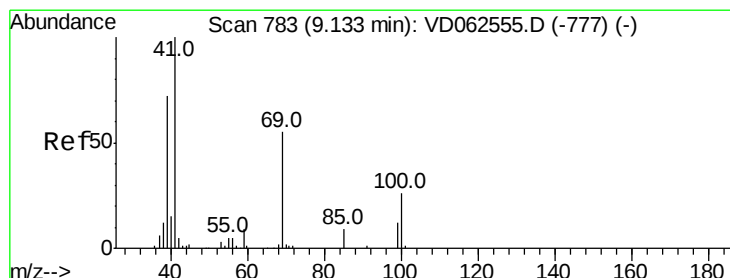
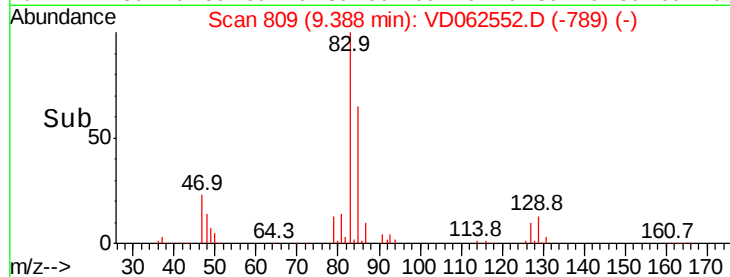
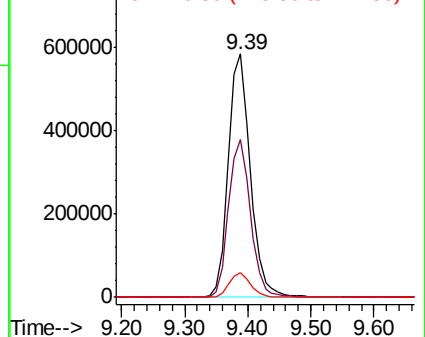
83 100

85 64.6 51.8 77.8

127 10.1 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 96.477 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

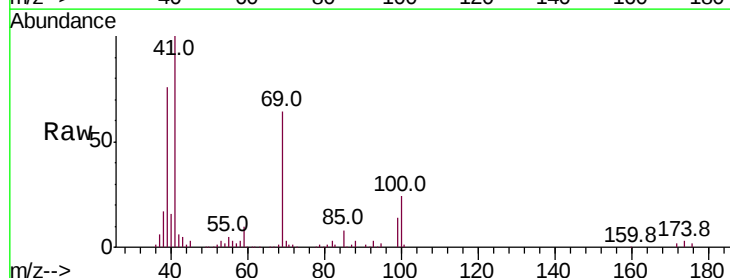
Tgt Ion: 41 Resp: 446413

Ion Ratio Lower Upper

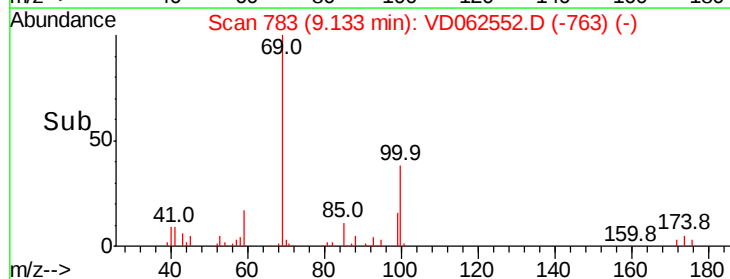
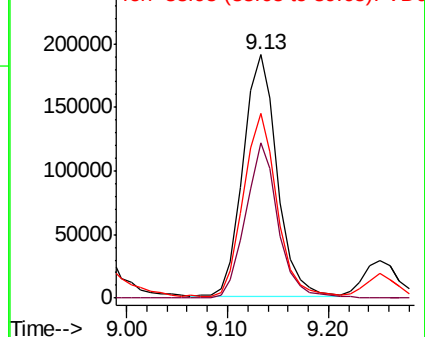
41 100

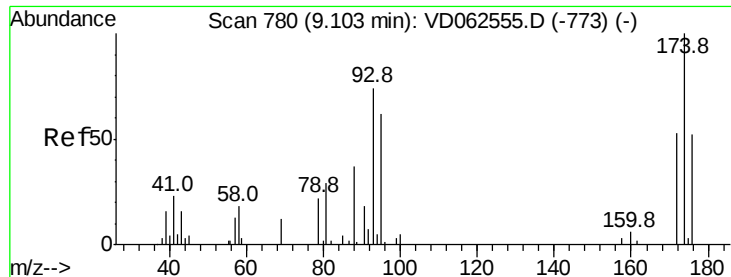
69 63.8 43.6 65.4

39 75.9 58.1 87.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

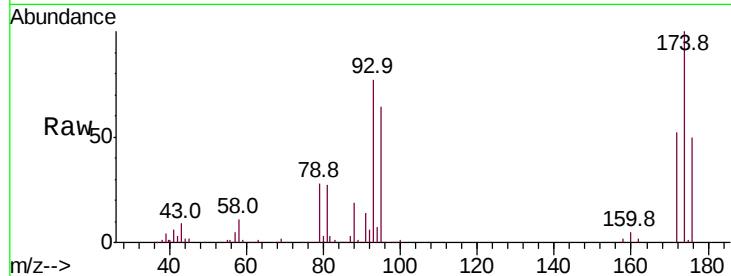




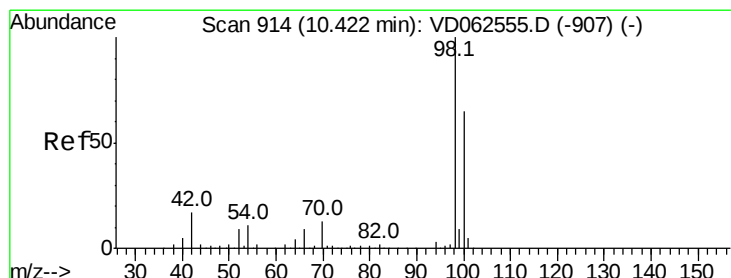
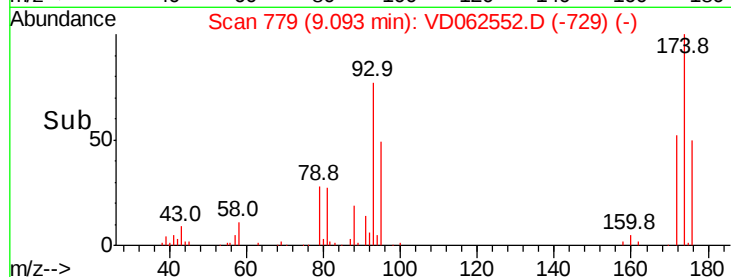
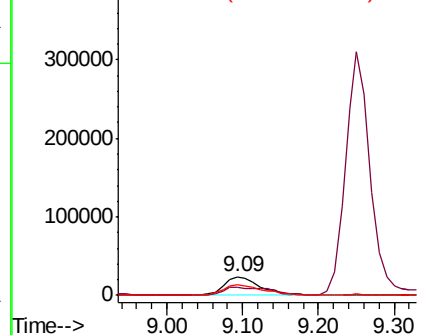
#49
 1,4-Dioxane
 Concen: 2084.060 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 88 Resp: 78284
 Ion Ratio Lower Upper
 88 100
 43 45.8 37.1 55.7
 58 57.8 39.3 58.9

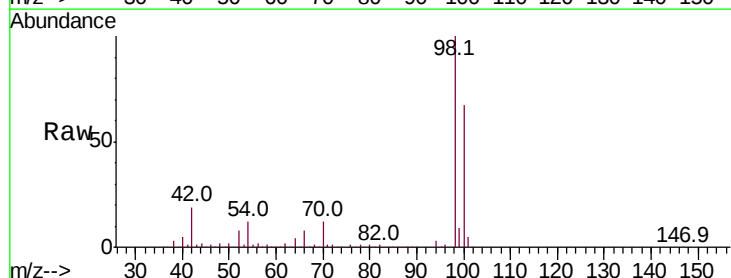


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

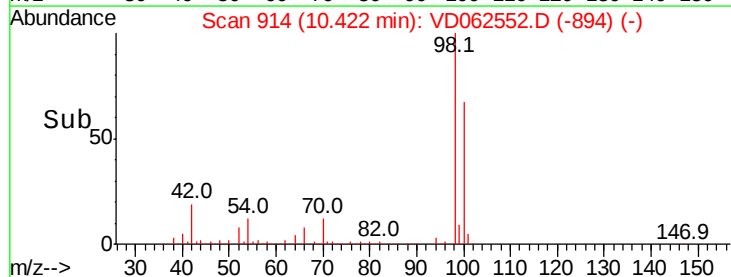
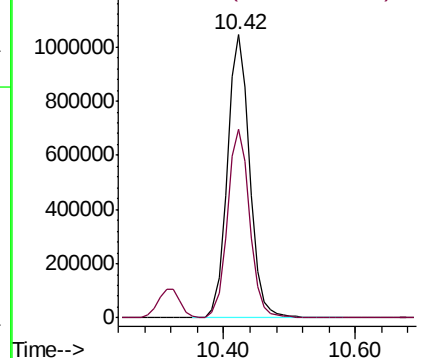


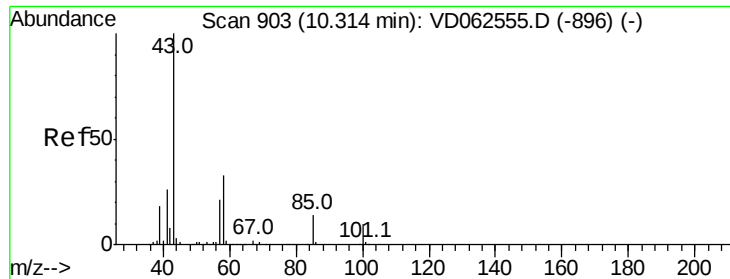
#50
 Toluene-d8
 Concen: 98.399 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

Tgt Ion: 98 Resp: 2471300
 Ion Ratio Lower Upper
 98 100
 100 66.7 52.3 78.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 490.588 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

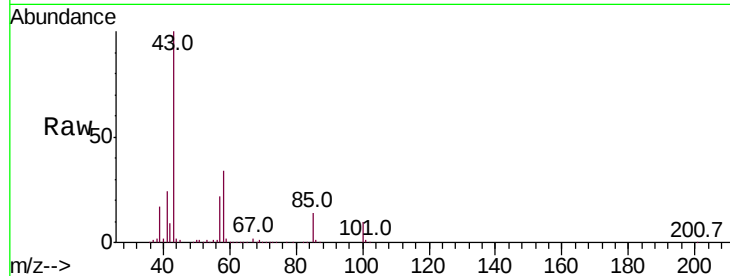
VSTDIC100

Tot Ion: 43 Resp: 2337121

Ion Ratio Lower Upper

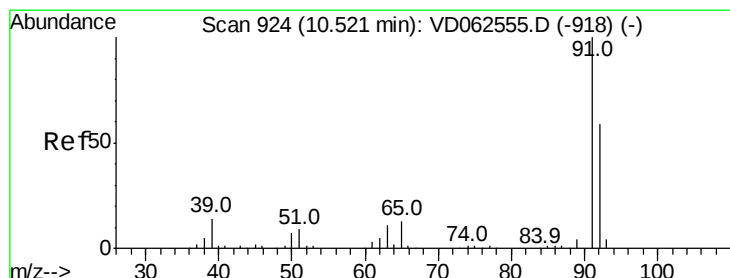
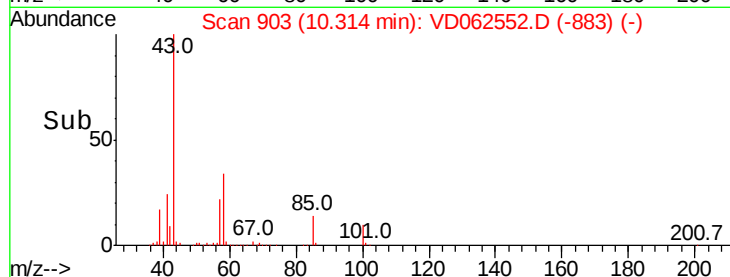
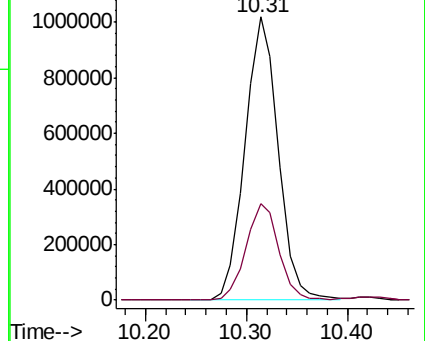
43 100

58 34.0 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 103.277 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062552.D

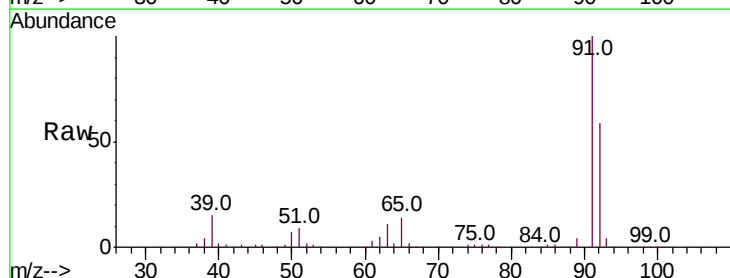
Acq: 30 May 2019 13:54

Tgt Ion: 92 Resp: 1755437

Ion Ratio Lower Upper

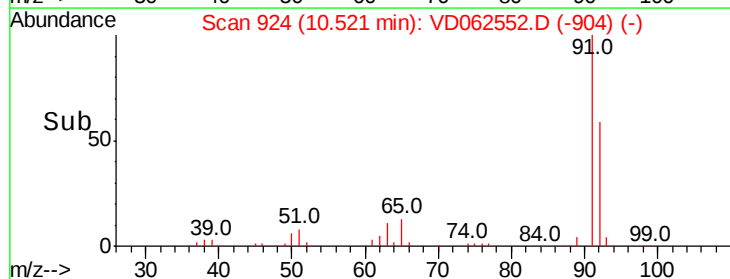
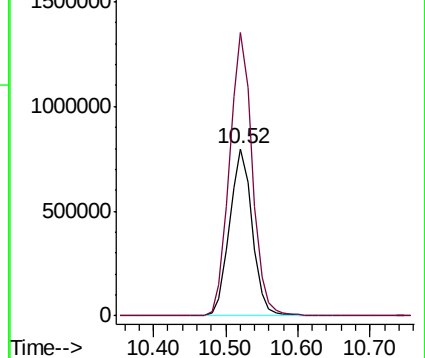
92 100

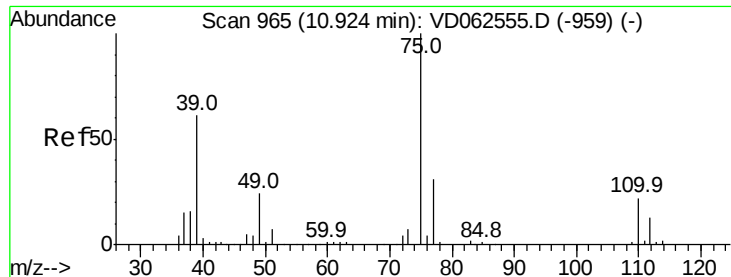
91 169.0 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 100.474 ug/l

RT: 10.92 min Scan# 965

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

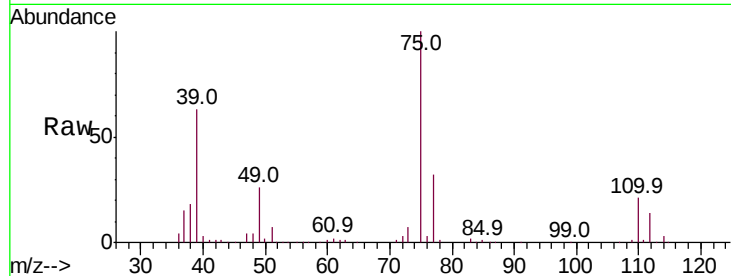
VSTDIC100

Tot Ion: 75 Resp: 1221361

Ion Ratio Lower Upper

75 100

77 31.8 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

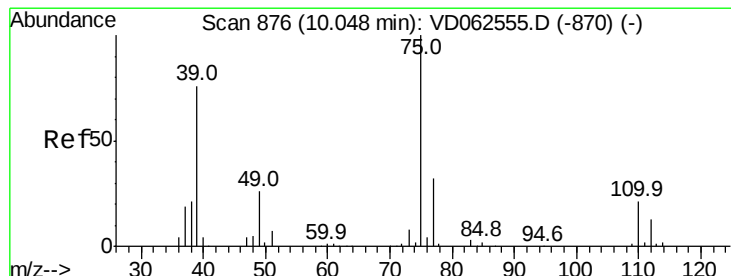
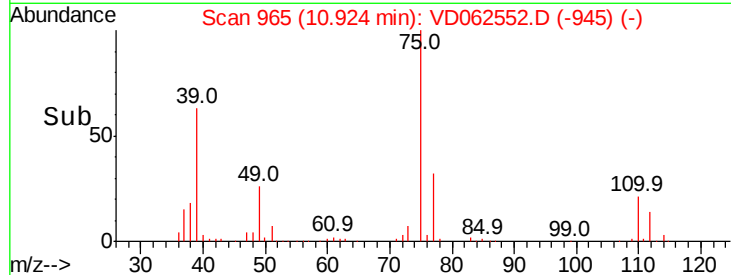
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 101.535 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

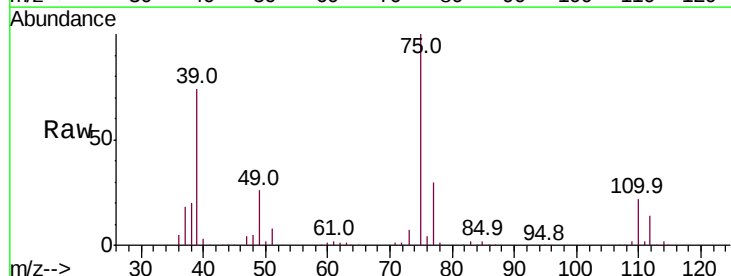
Tgt Ion: 75 Resp: 1275835

Ion Ratio Lower Upper

75 100

77 30.5 25.7 38.5

39 74.0 61.0 91.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

800000

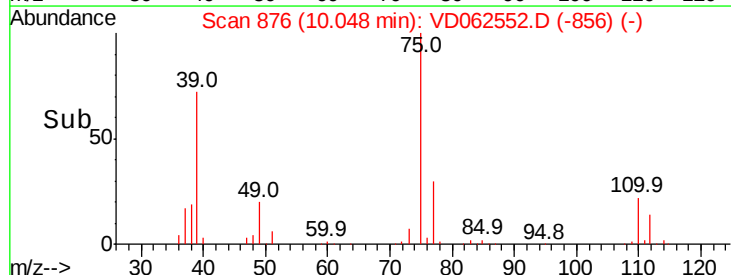
600000

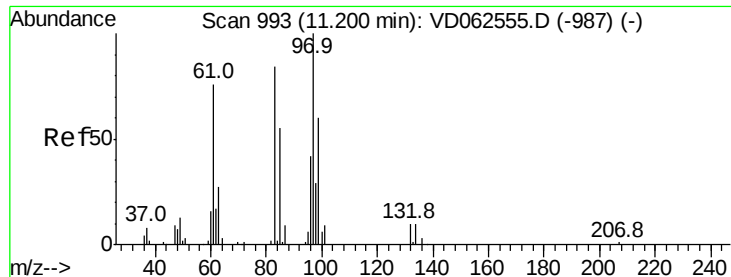
400000

200000

0

Time-->



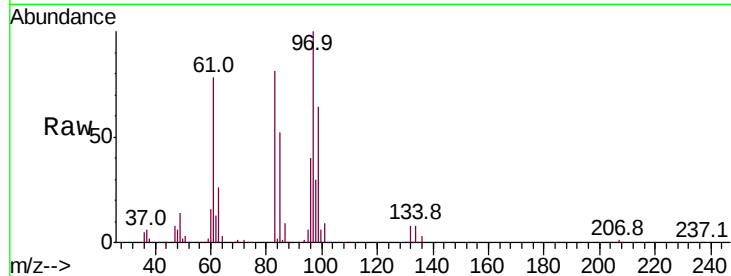


#55
 1,1,2-Trichloroethane
 Concen: 98.107 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

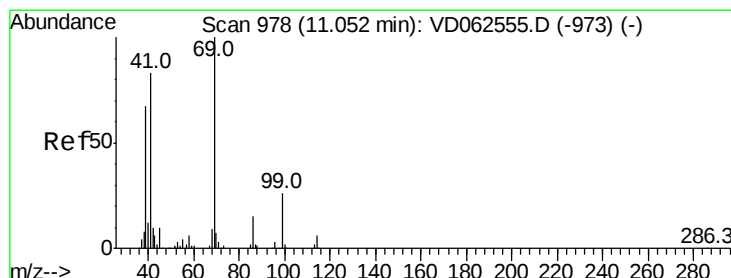
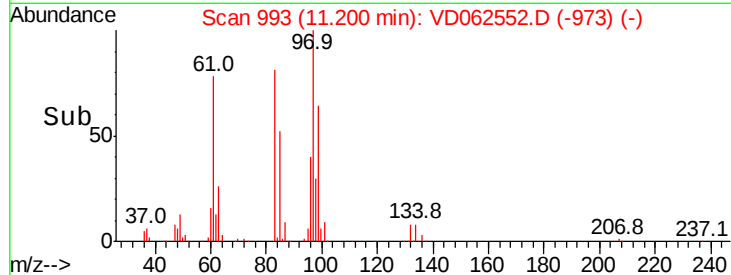
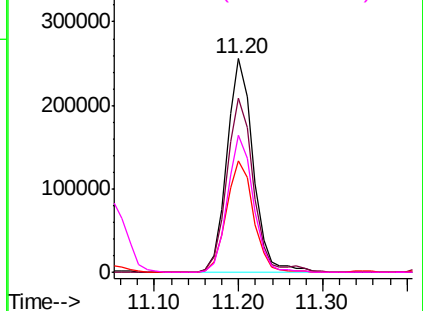
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 97 Resp: 554508

Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.3	100.9
85	52.1	43.8	65.8
99	64.2	48.2	72.2



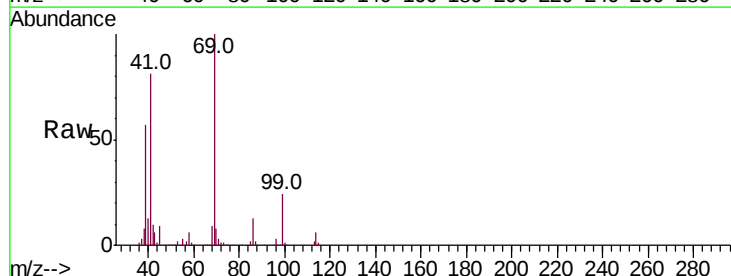
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



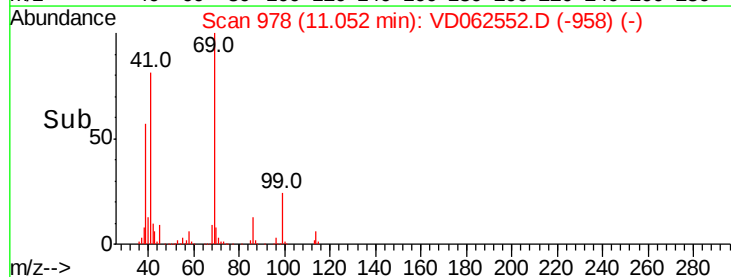
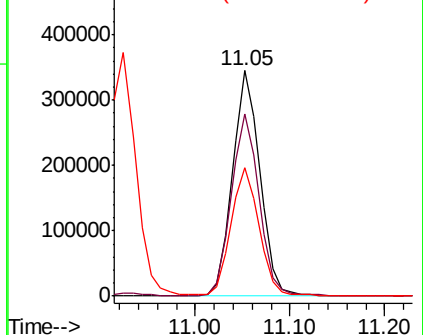
#56
 Ethyl methacrylate
 Concen: 116.186 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

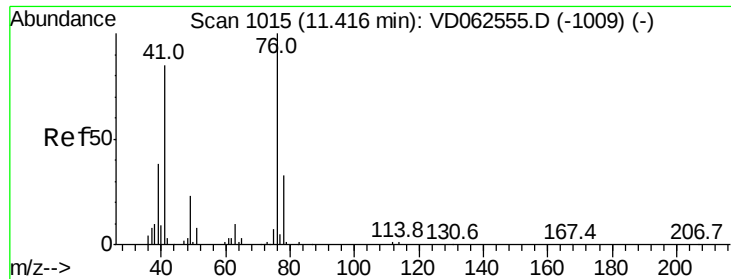
Tgt Ion: 69 Resp: 694570

Ion	Ratio	Lower	Upper
69	100		
41	80.7	66.1	99.1
39	57.0	54.2	81.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

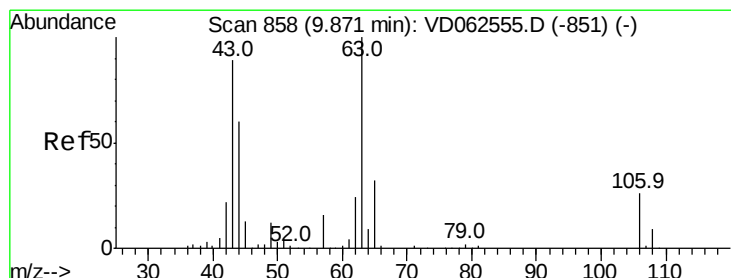
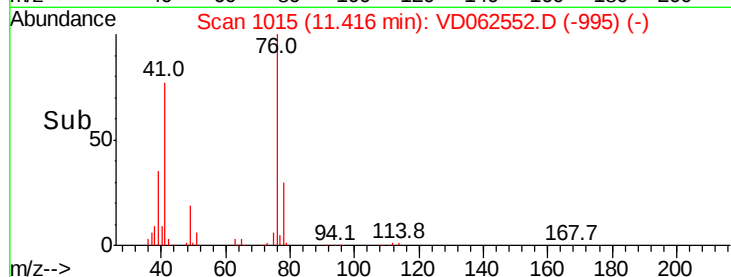
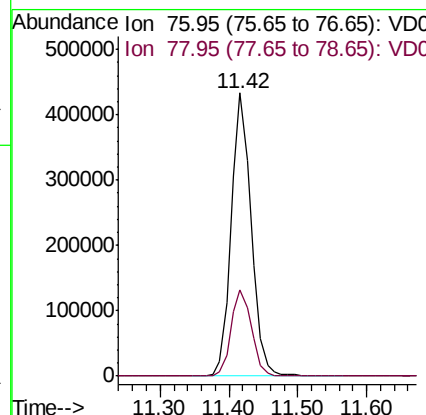
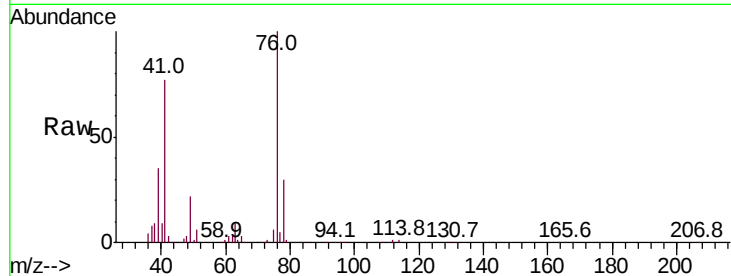




#57
 1,3-Dichloropropane
 Concen: 101.503 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

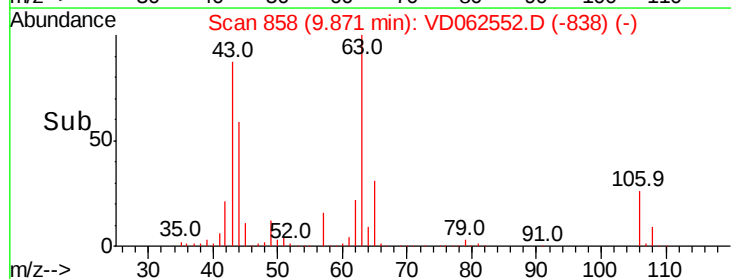
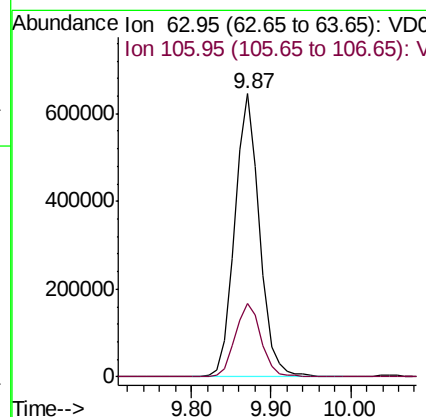
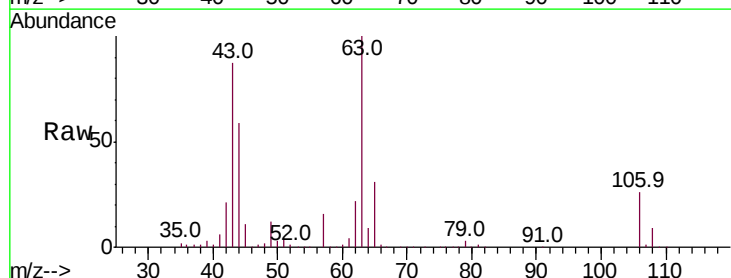
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

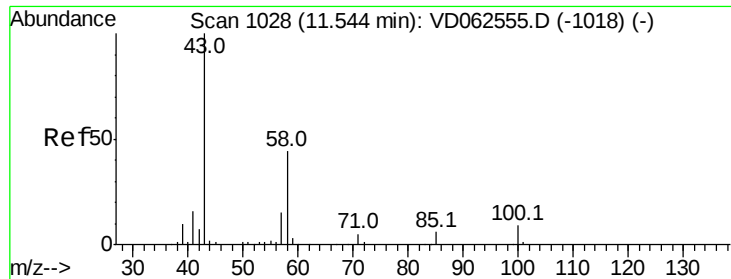
Tot Ion: 76 Resp: 868924
 Ion Ratio Lower Upper
 76 100
 78 30.5 26.7 40.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 453.715 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

Tgt Ion: 63 Resp: 1405810
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.0 31.4

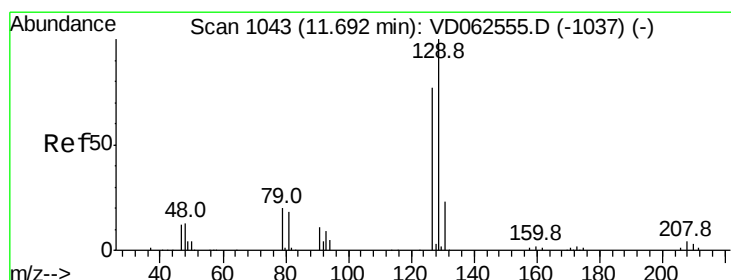
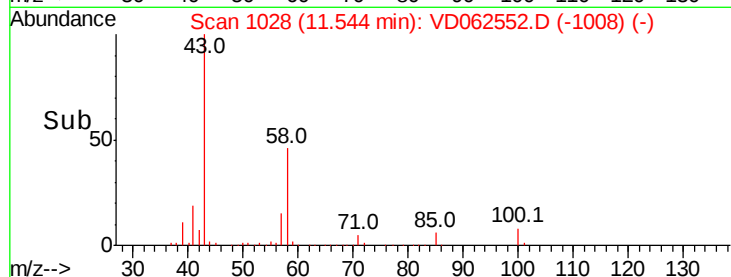
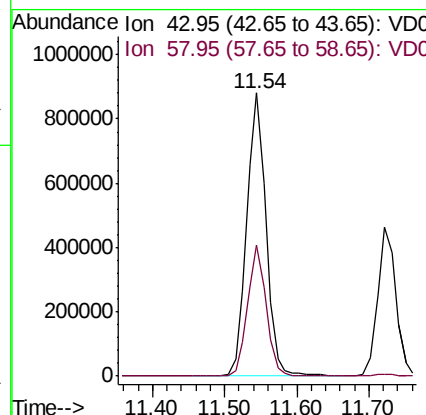
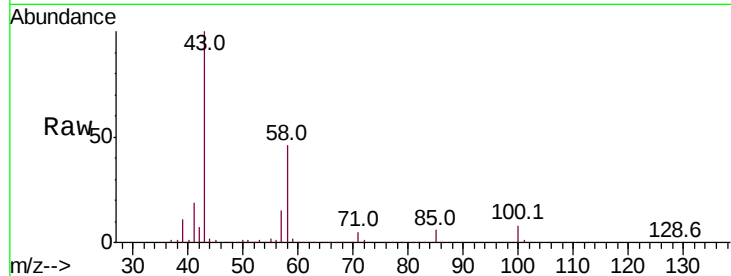




#59
2-Hexanone
Concen: 499.729 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

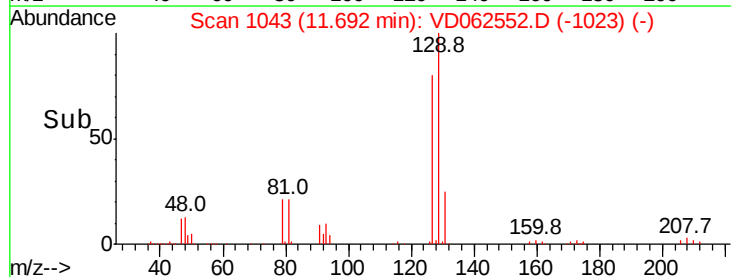
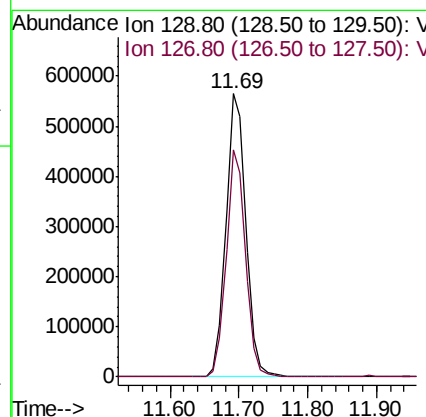
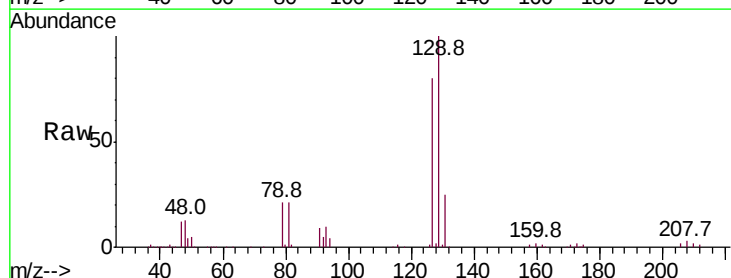
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

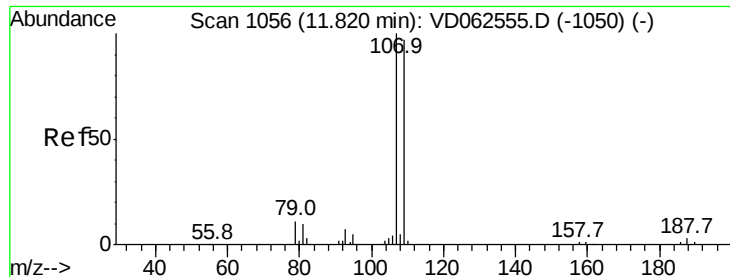
Tot Ion: 43 Resp: 1663341
Ion Ratio Lower Upper
43 100
58 46.2 22.0 66.0



#60
Dibromochloromethane
Concen: 102.885 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion:129 Resp: 1128107
Ion Ratio Lower Upper
129 100
127 80.0 38.6 115.8

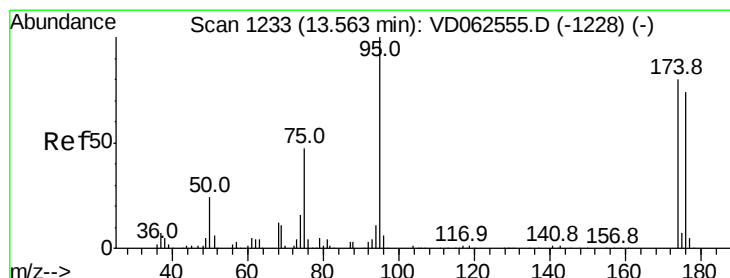
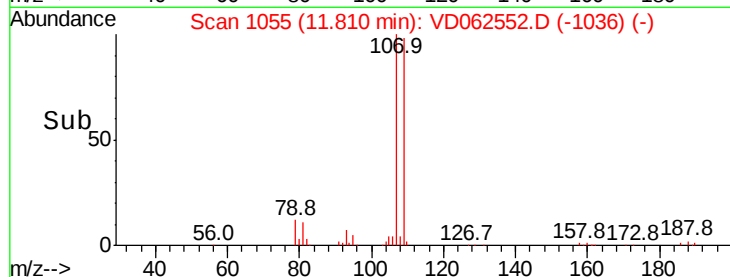
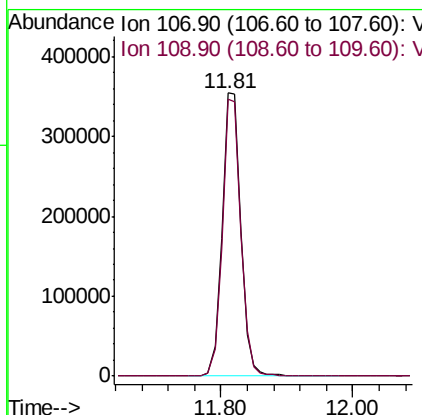
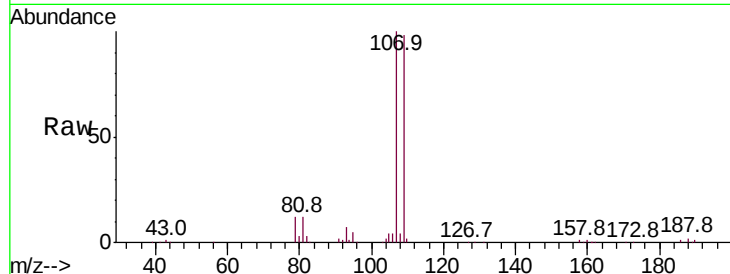




#61
 1,2-Dibromoethane
 Concen: 104.848 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

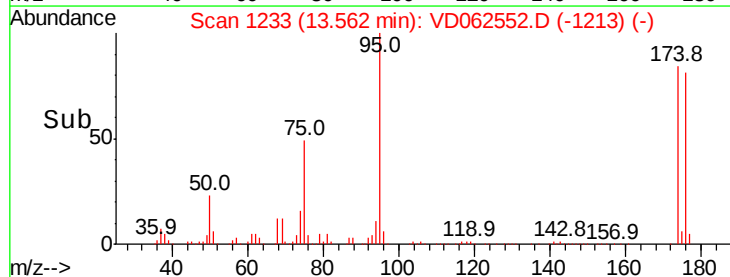
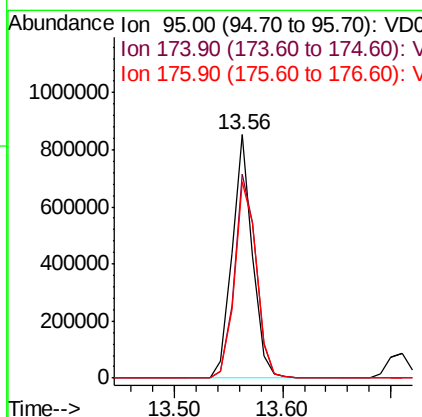
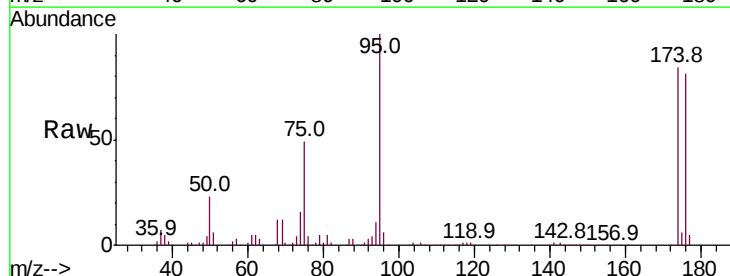
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

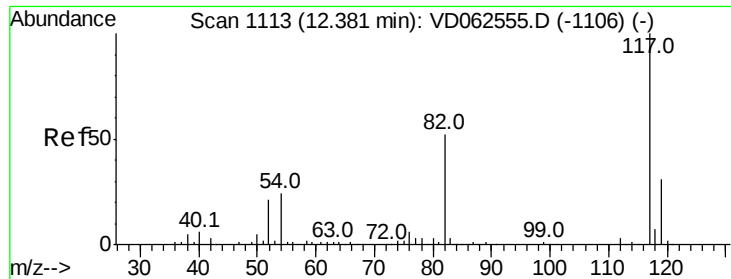
Tot Ion:107 Resp: 701243
 Ion Ratio Lower Upper
 107 100
 109 97.8 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 98.805 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

Tgt Ion: 95 Resp: 1112592
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 160.2
 176 80.7 0.0 148.0

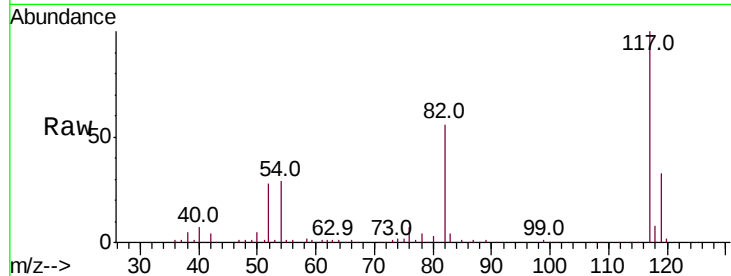




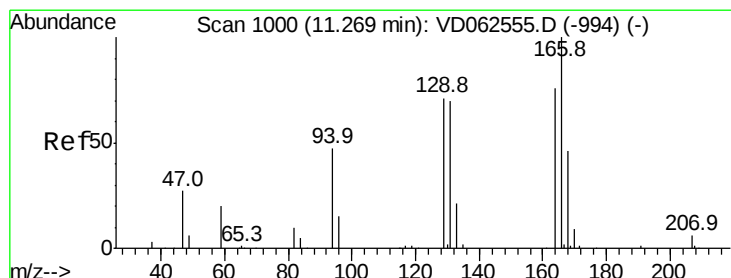
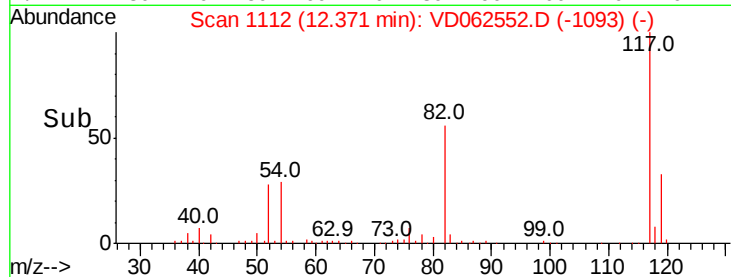
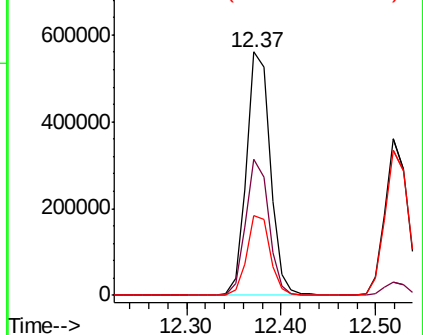
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 981108
Ion Ratio Lower Upper
117 100
82 55.7 41.4 62.2
119 32.9 24.9 37.3

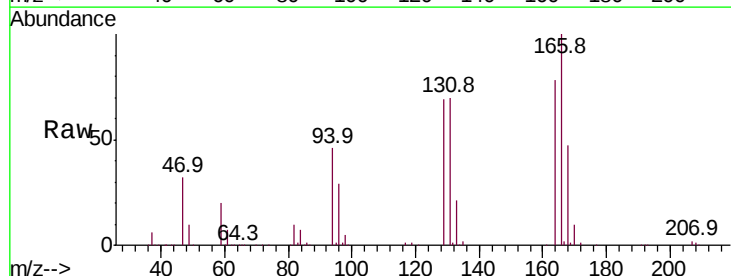


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

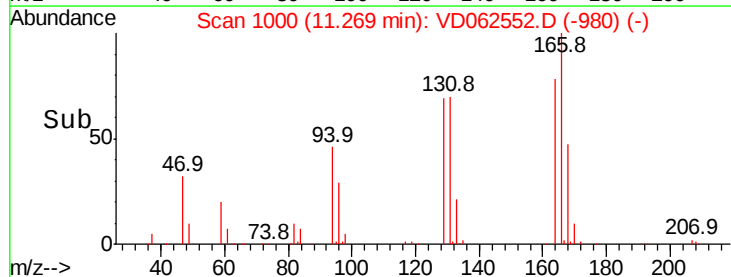
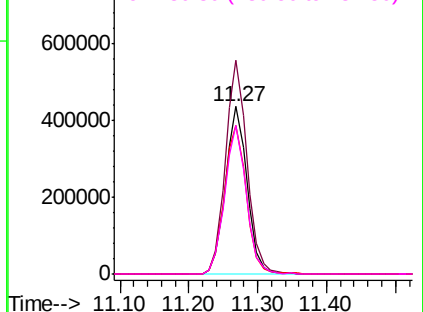


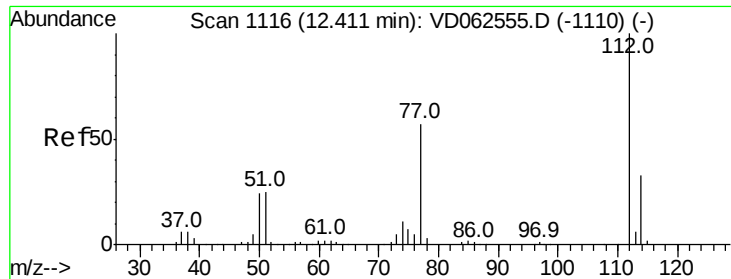
#64
Tetrachloroethene
Concen: 106.619 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion:164 Resp: 946705
Ion Ratio Lower Upper
164 100
166 127.5 105.3 157.9
129 88.6 75.3 112.9
131 89.0 73.3 109.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

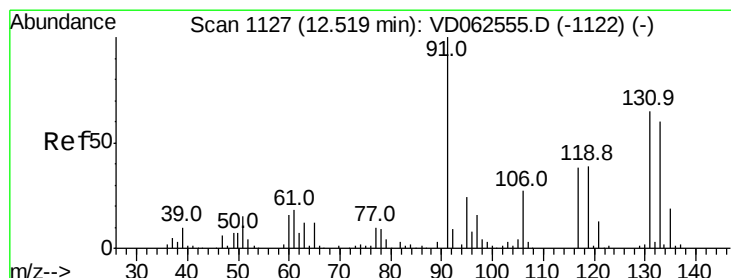
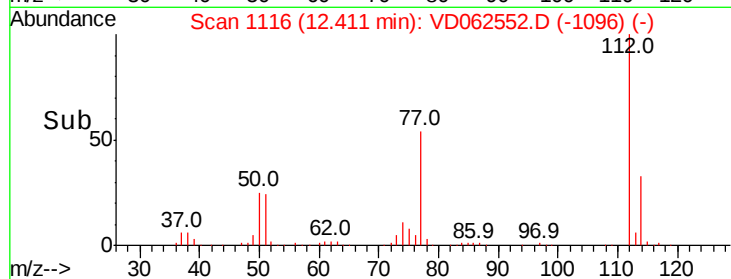
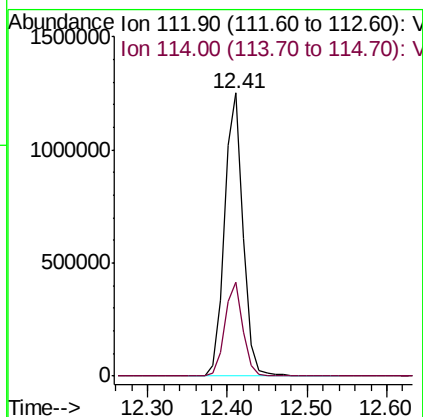
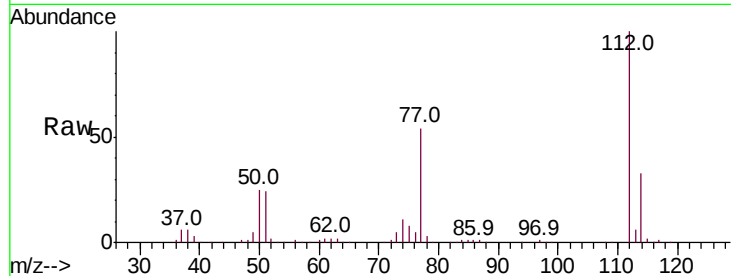




#65
Chlorobenzene
Concen: 103.175 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

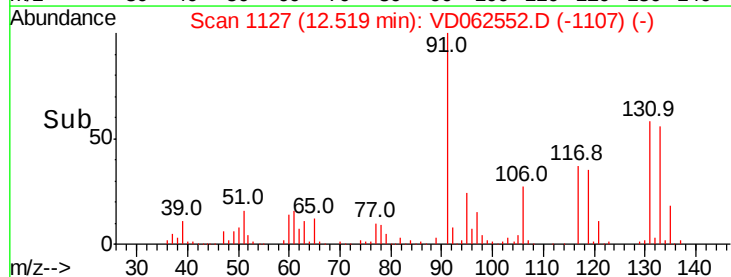
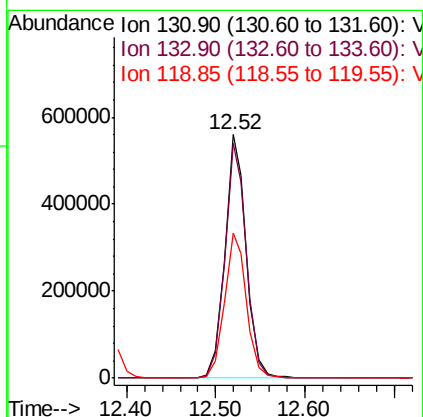
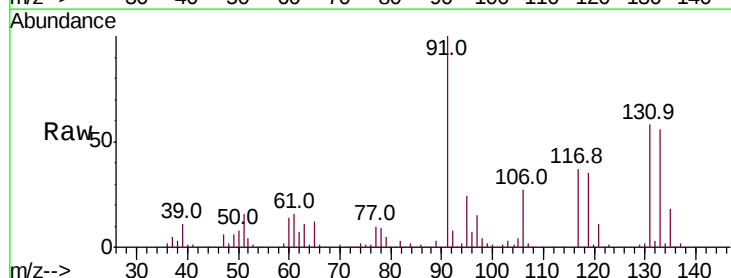
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

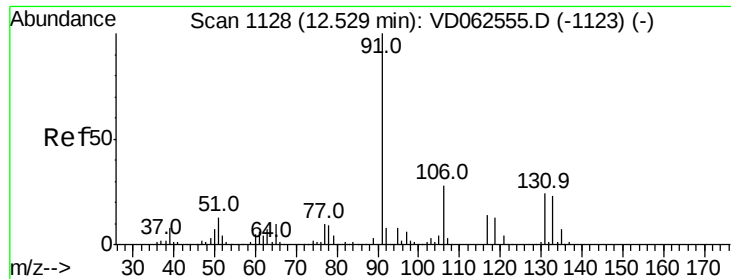
Tot Ion:112 Resp: 2046896
Ion Ratio Lower Upper
112 100
114 33.2 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 101.424 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion:131 Resp: 940344
Ion Ratio Lower Upper
131 100
133 96.6 46.2 138.6
119 59.6 29.5 88.6

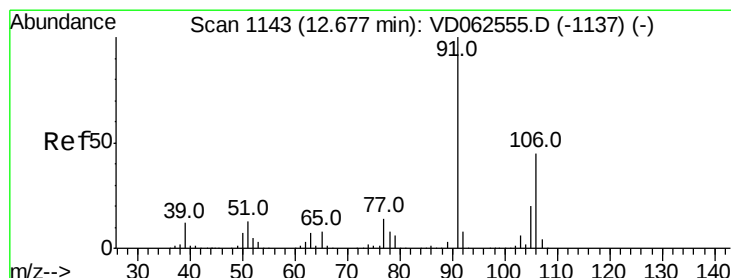
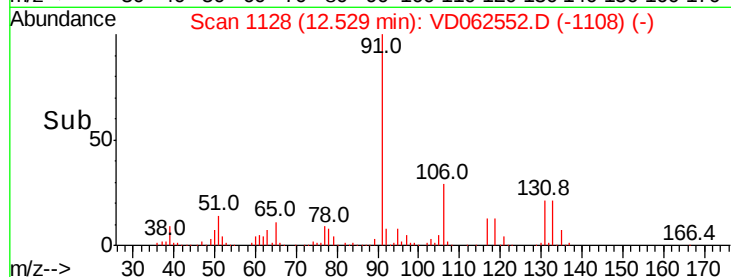
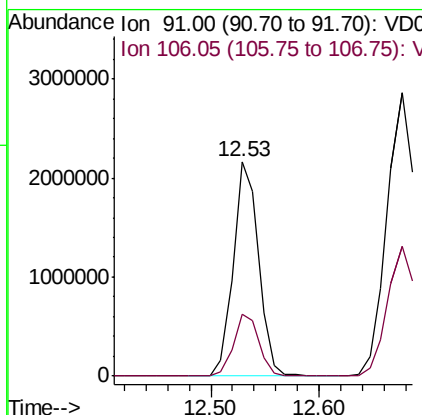
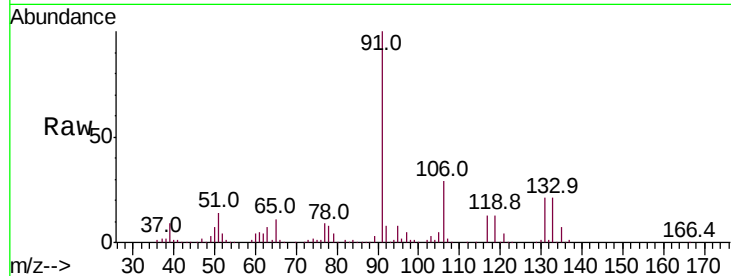




#67
Ethyl Benzene
Concen: 98.618 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

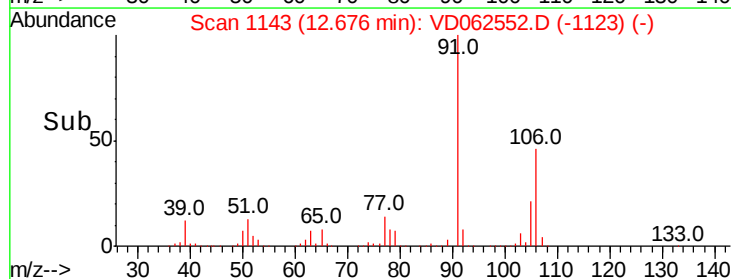
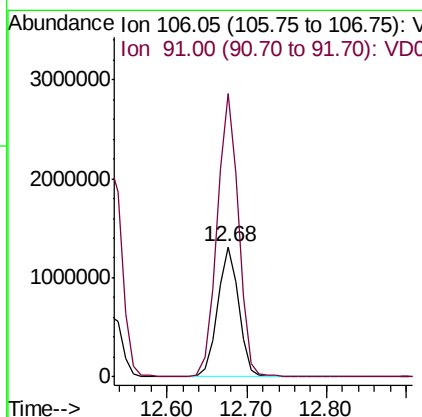
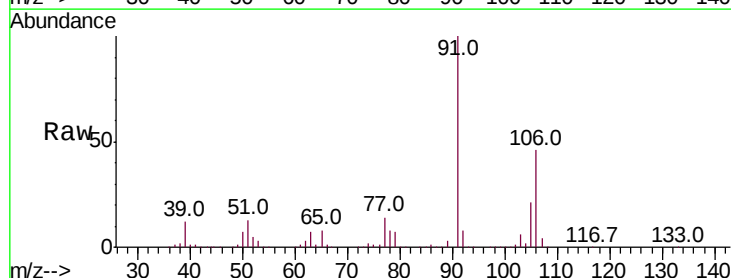
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

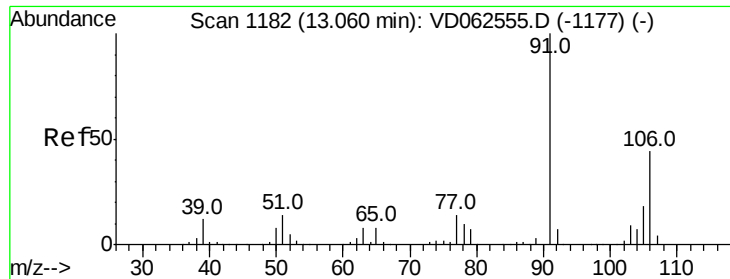
Tot Ion: 91 Resp: 3525216
Ion Ratio Lower Upper
91 100
106 29.0 22.2 33.2



#68
m/p-Xylenes
Concen: 201.506 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion:106 Resp: 2446225
Ion Ratio Lower Upper
106 100
91 218.1 178.9 268.3

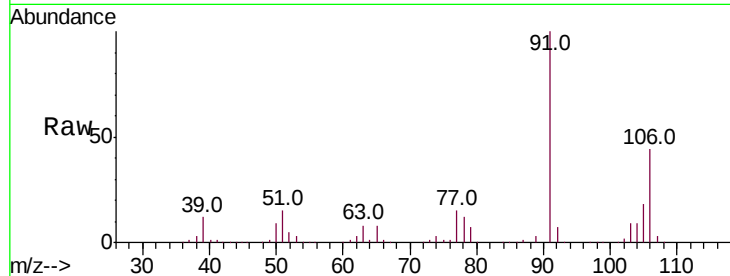




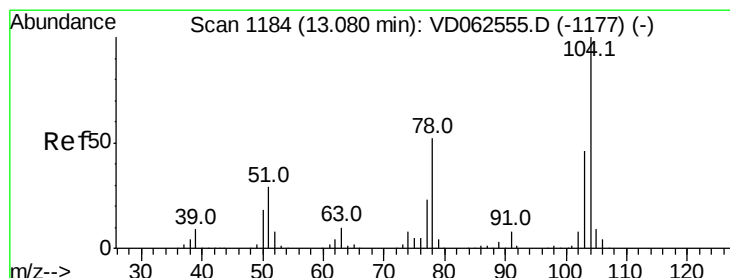
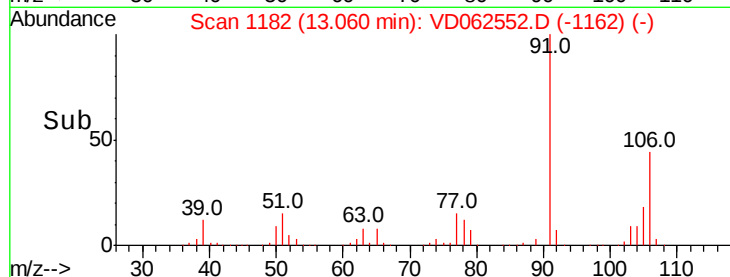
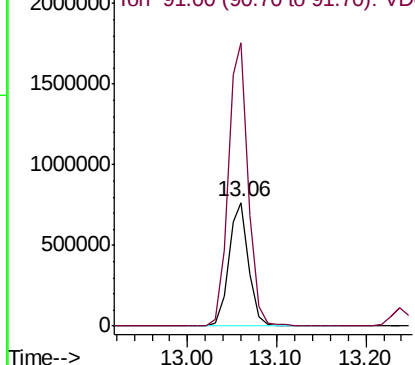
#69
o-Xylene
Concen: 101.547 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1194560
Ion Ratio Lower Upper
106 100
91 228.3 113.9 341.8

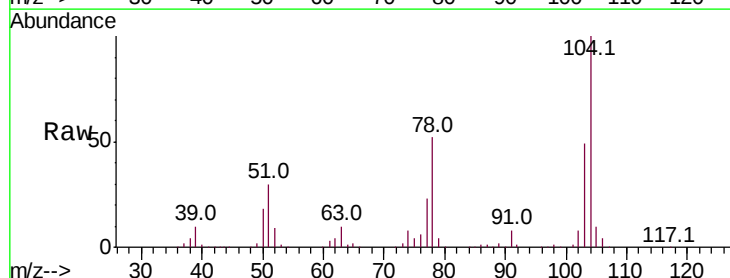


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

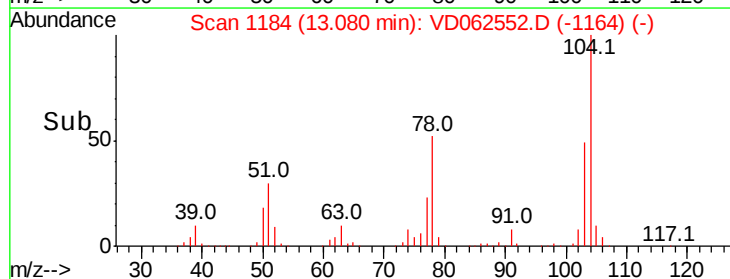
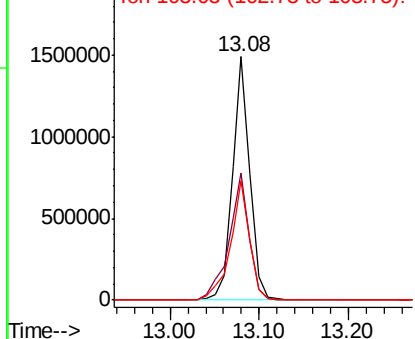


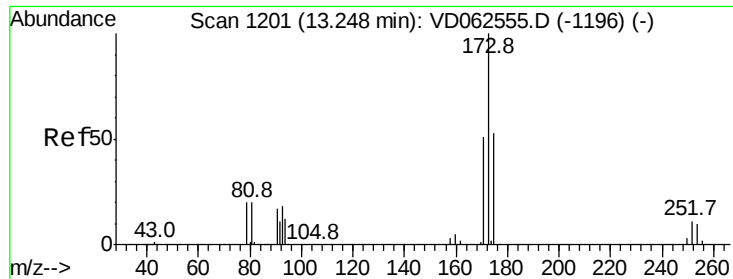
#70
Styrene
Concen: 103.056 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion:104 Resp: 2049454
Ion Ratio Lower Upper
104 100
78 52.4 41.5 62.3
103 49.0 36.6 55.0



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 109.063 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

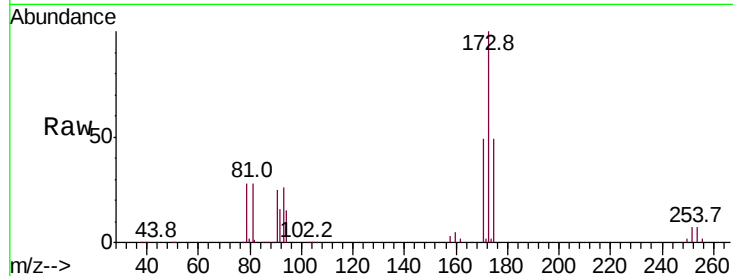
Tot Ion:173 Resp: 703988

Ion Ratio Lower Upper

173 100

175 49.0 26.6 79.7

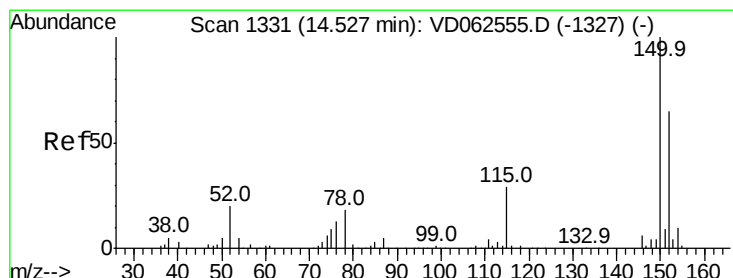
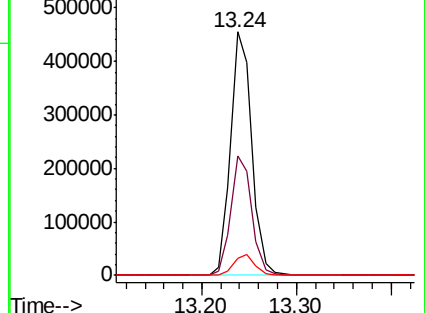
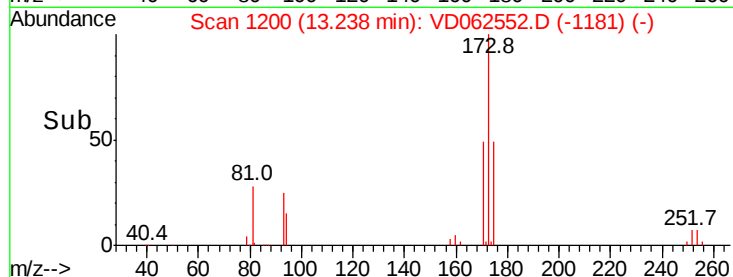
254 7.1 8.1 12.1#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

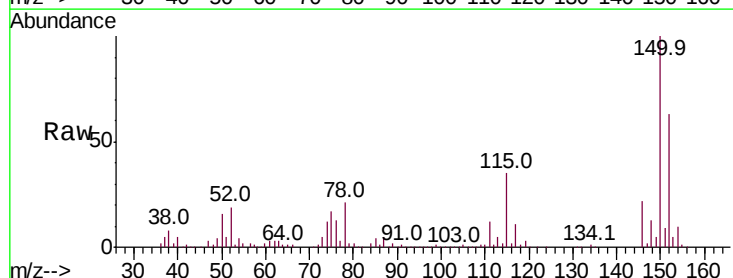
Tgt Ion:152 Resp: 507883

Ion Ratio Lower Upper

152 100

115 54.9 28.4 85.3

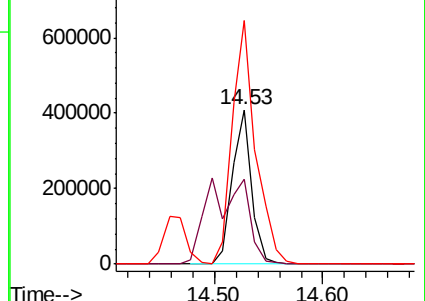
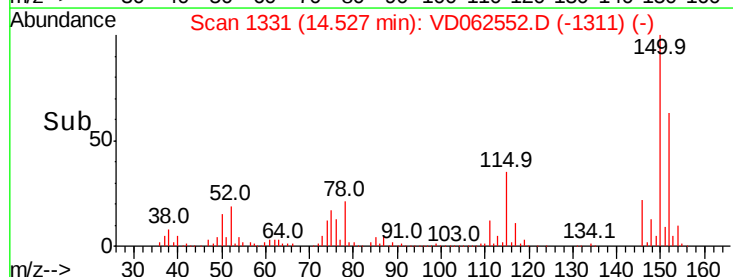
150 157.9 0.0 310.4

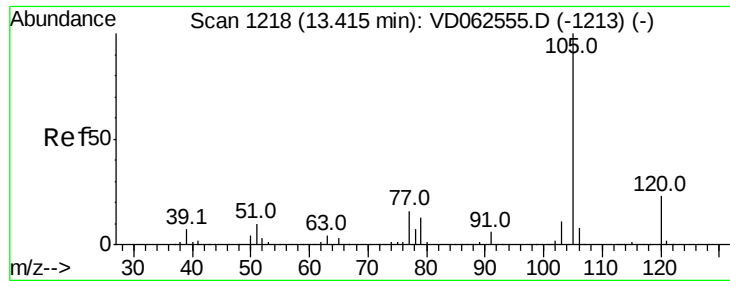


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 110.961 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

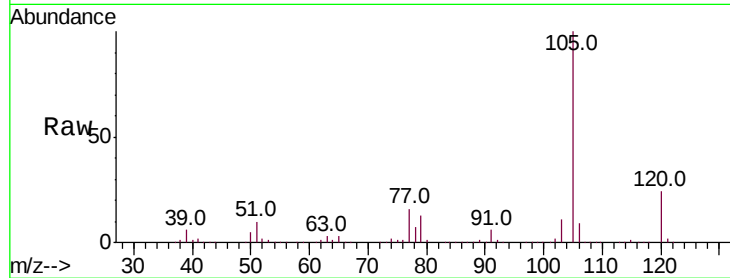
VSTDIC100

Tot Ion:105 Resp: 3746961

Ion Ratio Lower Upper

105 100

120 23.5 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

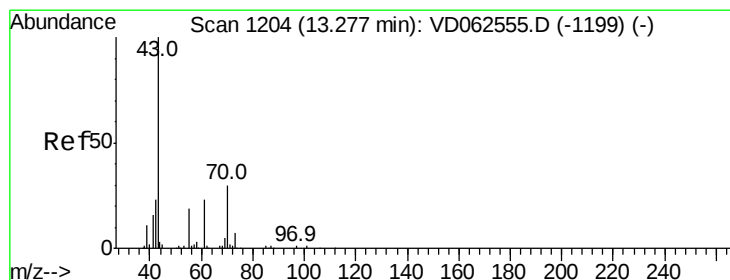
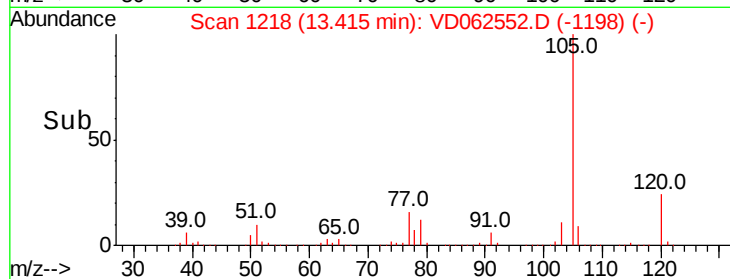
1000000

500000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 117.226 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Tgt Ion: 43 Resp: 1017021

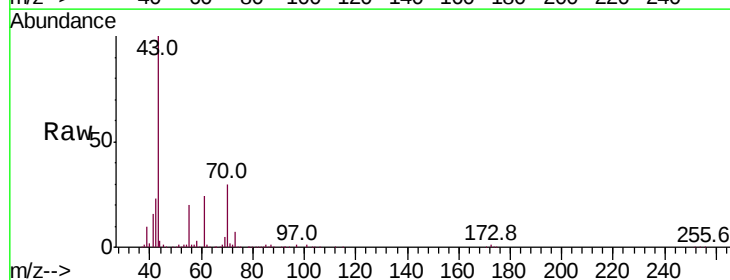
Ion Ratio Lower Upper

43 100

70 30.1 23.7 35.5

55 19.8 15.0 22.4

61 24.3 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

1000000

800000

600000

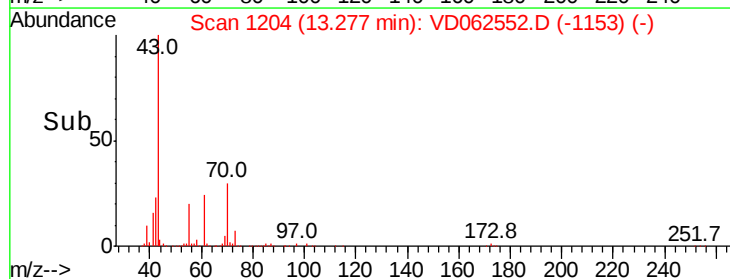
400000

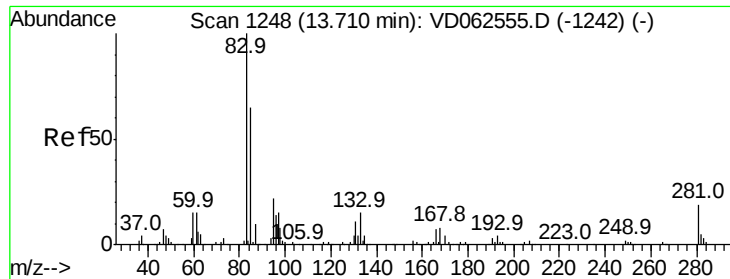
200000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 114.402 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

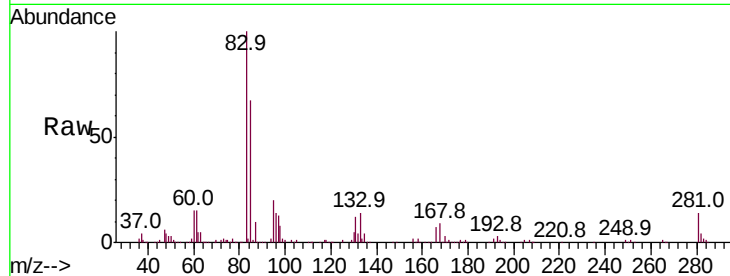
Tot Ion: 83 Resp: 633100

Ion Ratio Lower Upper

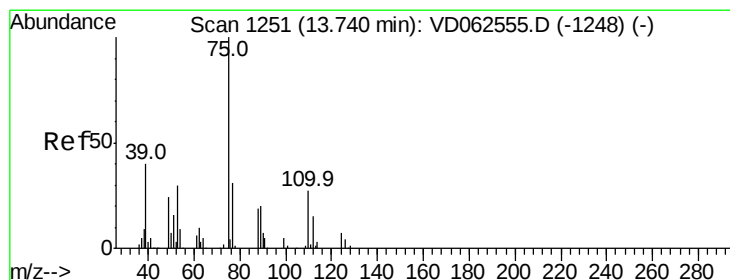
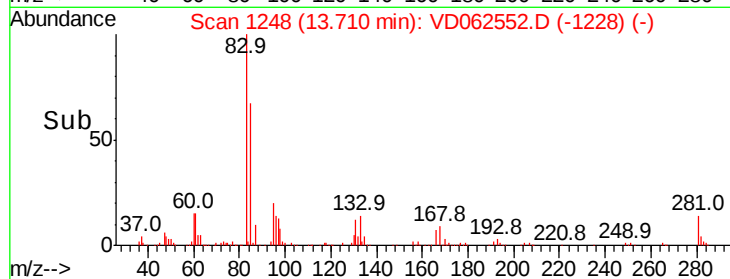
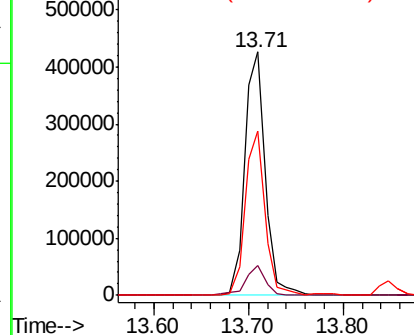
83 100

131 12.2 5.7 17.1

85 67.4 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 112.318 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062552.D

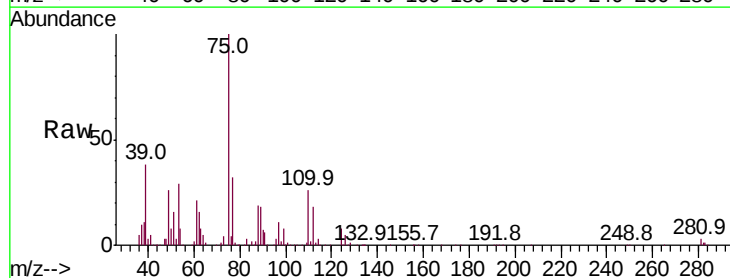
Acq: 30 May 2019 13:54

Tgt Ion: 75 Resp: 720268

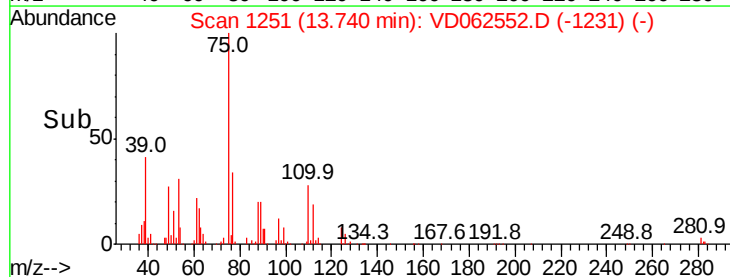
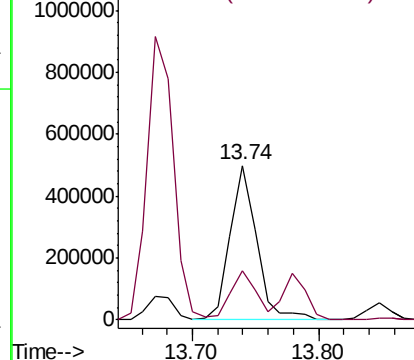
Ion Ratio Lower Upper

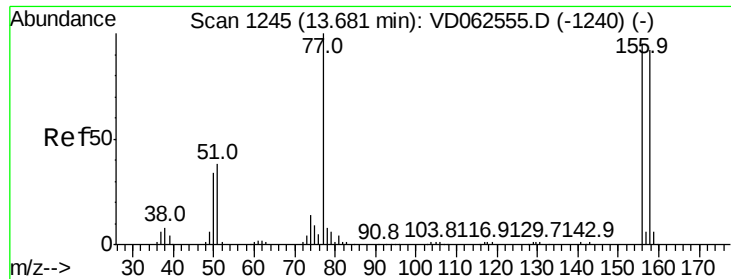
75 100

77 31.7 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 110.801 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

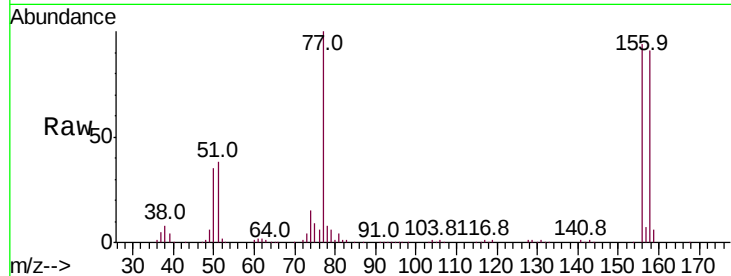
Tot Ion:156 Resp: 1047380

Ion Ratio Lower Upper

156 100

77 106.2 52.9 158.7

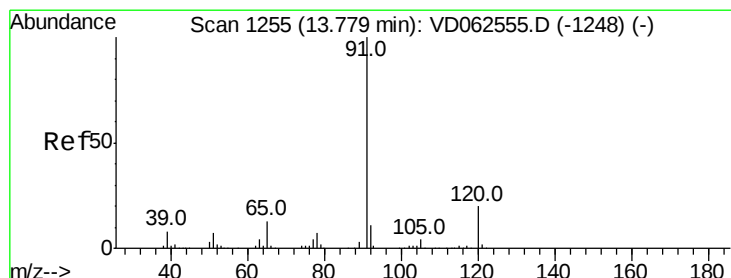
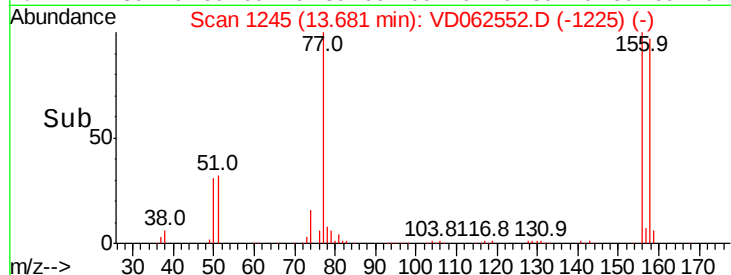
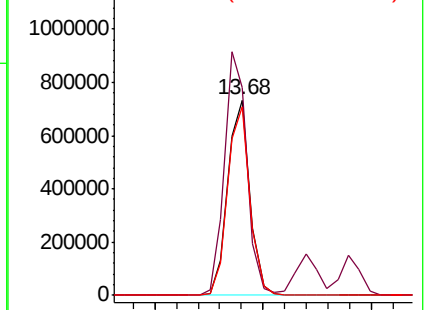
158 96.6 48.5 145.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 110.213 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062552.D

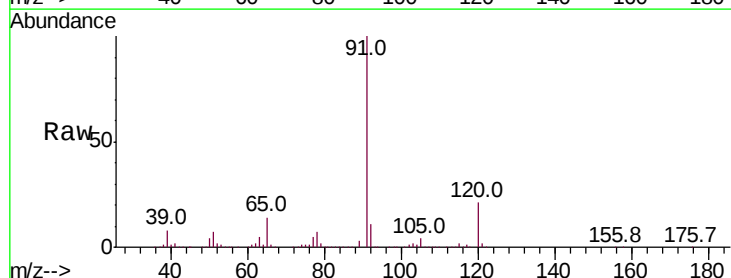
Acq: 30 May 2019 13:54

Tgt Ion: 91 Resp: 4337046

Ion Ratio Lower Upper

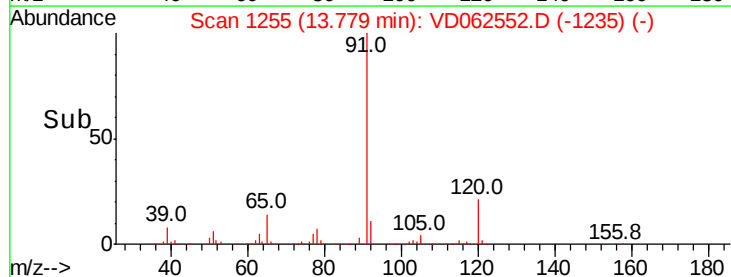
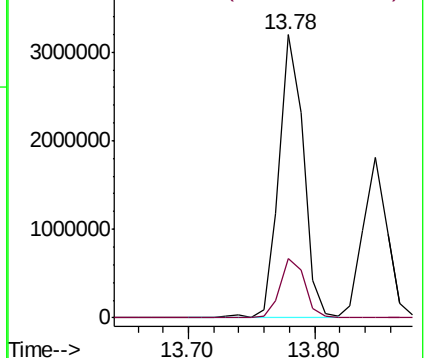
91 100

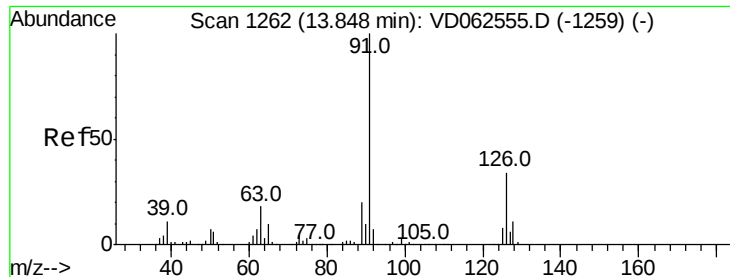
120 20.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 104.186 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

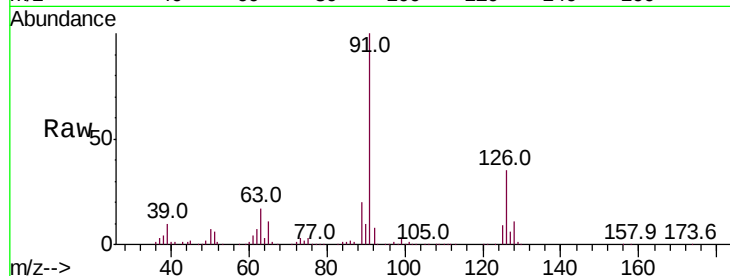
VSTDIC100

Tot Ion: 91 Resp: 2400236

Ion Ratio Lower Upper

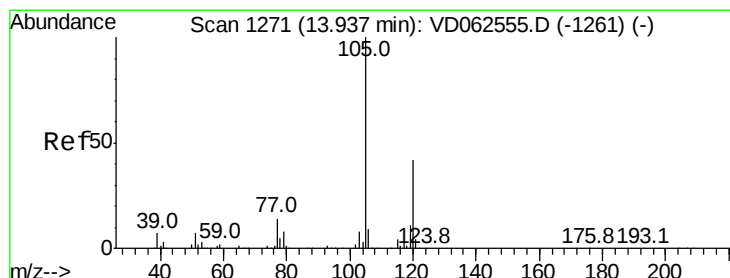
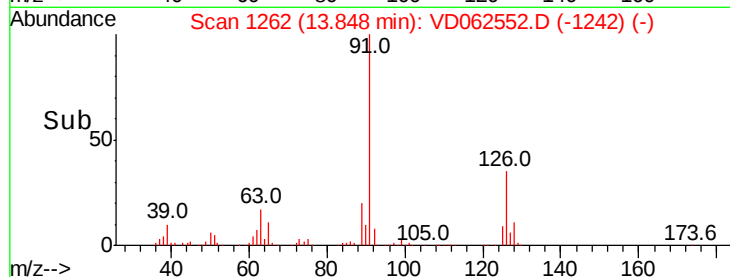
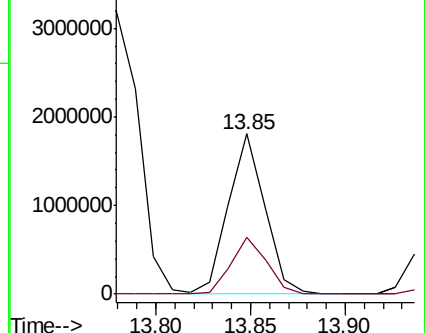
91 100

126 35.1 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 102.868 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062552.D

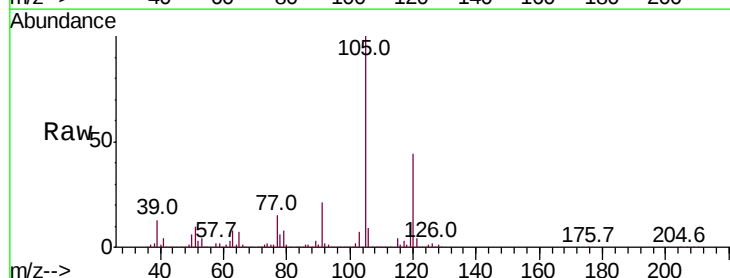
Acq: 30 May 2019 13:54

Tgt Ion:105 Resp: 3013108

Ion Ratio Lower Upper

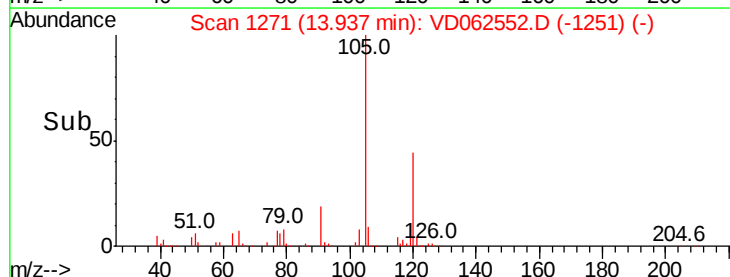
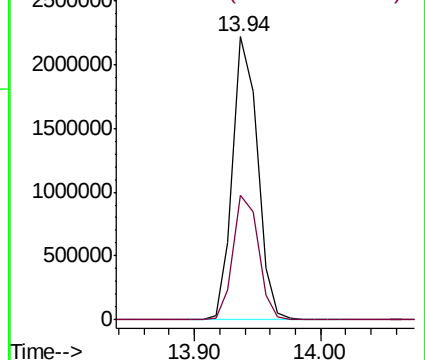
105 100

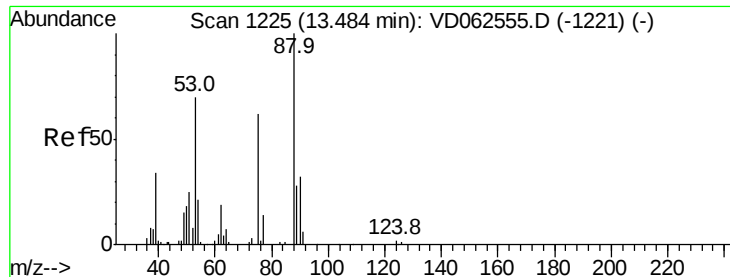
120 44.2 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 117.490 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD062552.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

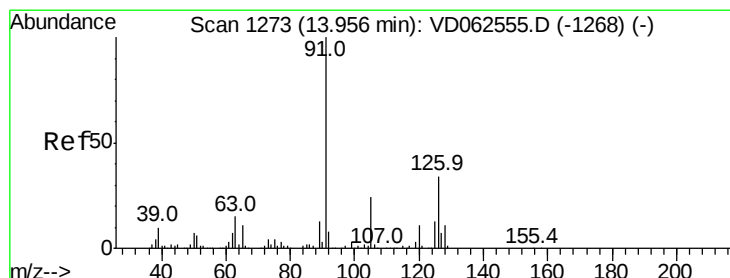
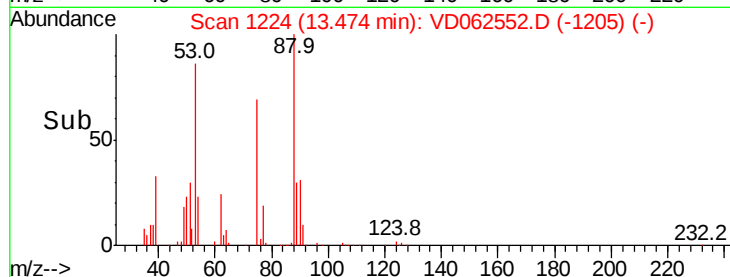
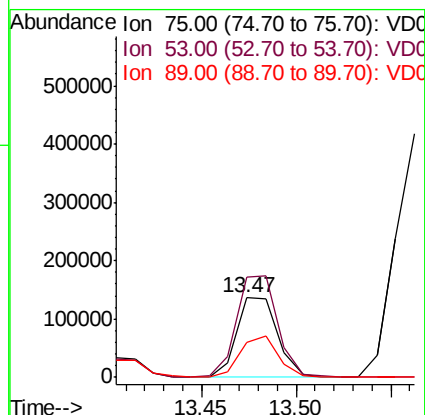
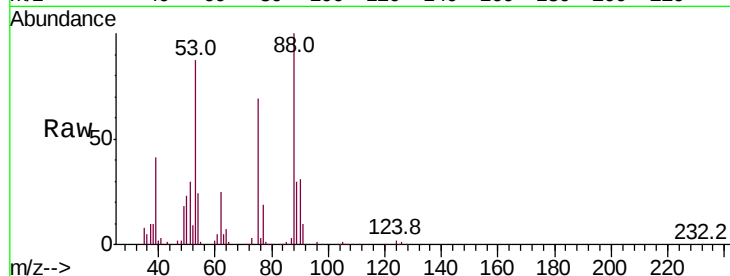
Tot Ion: 75 Resp: 203830

Ion Ratio Lower Upper

75 100

53 126.4 91.0 136.4

89 43.5 36.9 55.3



#82

4-Chlorotoluene

Concen: 106.462 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD062552.D

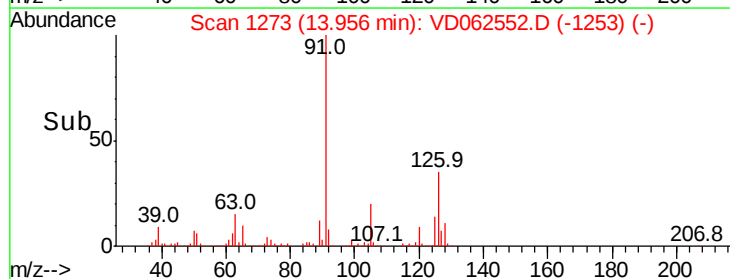
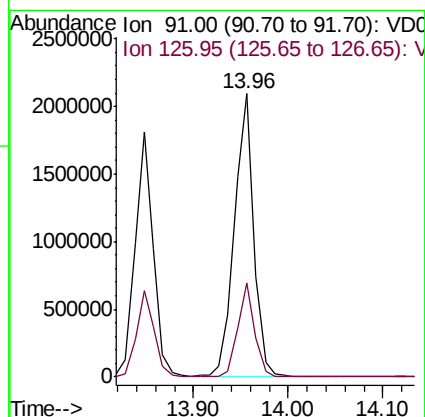
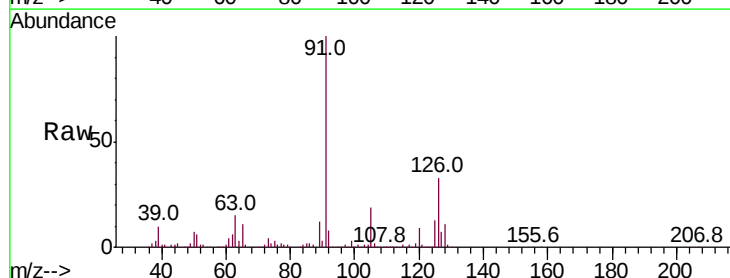
Acq: 30 May 2019 13:54

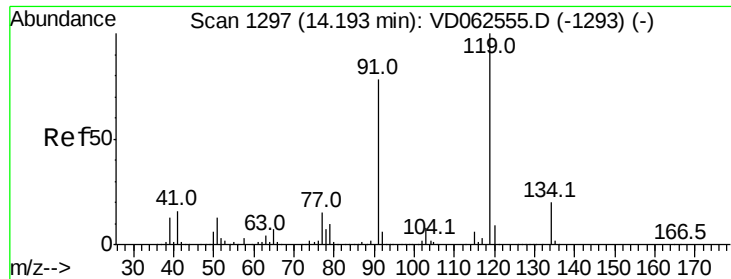
Tgt Ion: 91 Resp: 2949499

Ion Ratio Lower Upper

91 100

126 33.3 16.9 50.7

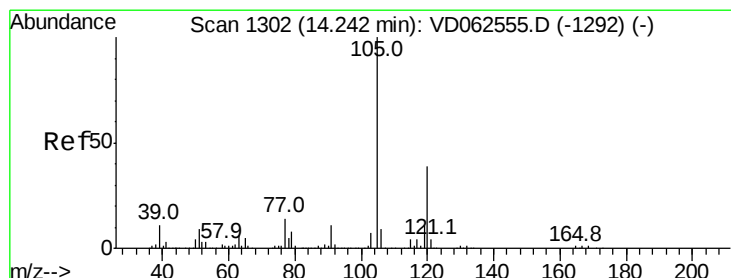
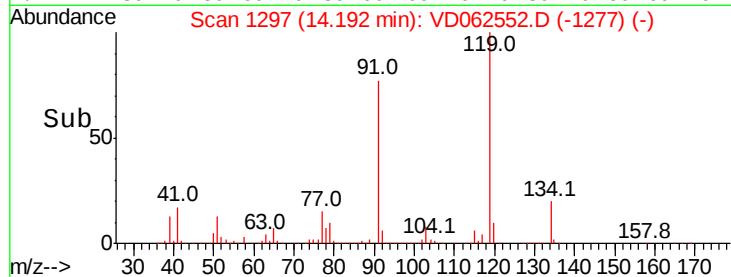
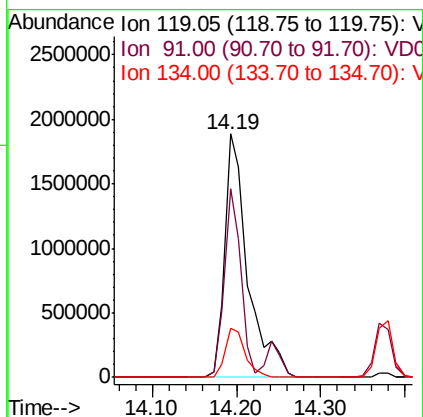
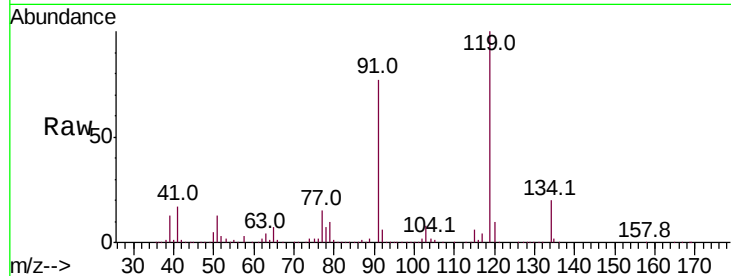




#83
tert-Butylbenzene
Concen: 111.675 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

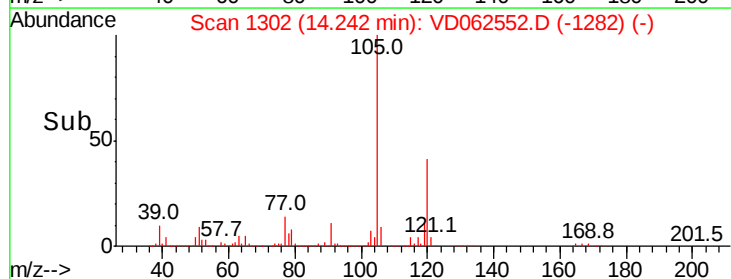
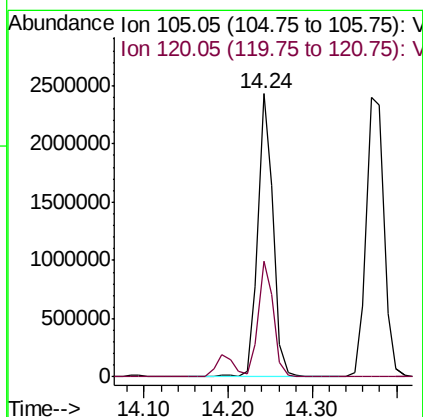
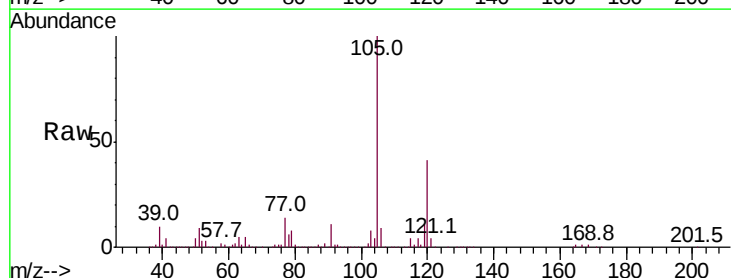
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

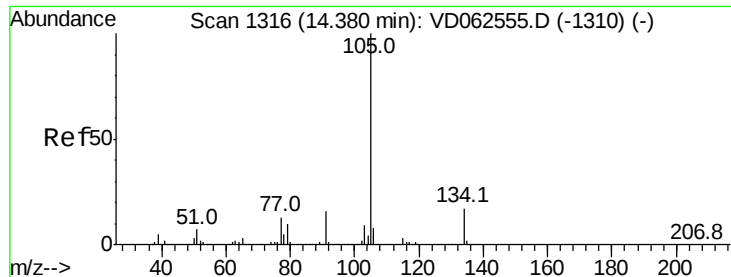
Tot Ion:119 Resp: 3598529
Ion Ratio Lower Upper
119 100
91 77.4 39.1 117.5
134 20.3 10.1 30.3



#84
1,2,4-Trimethylbenzene
Concen: 106.446 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion:105 Resp: 3117272
Ion Ratio Lower Upper
105 100
120 41.0 19.6 58.8

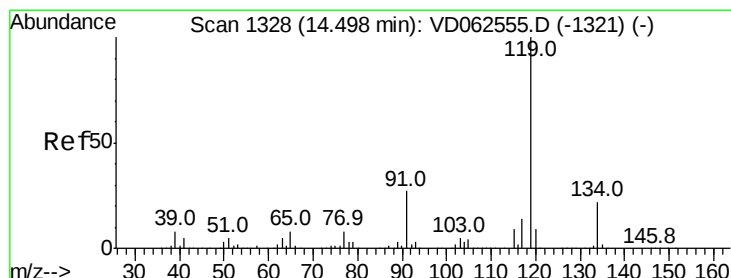
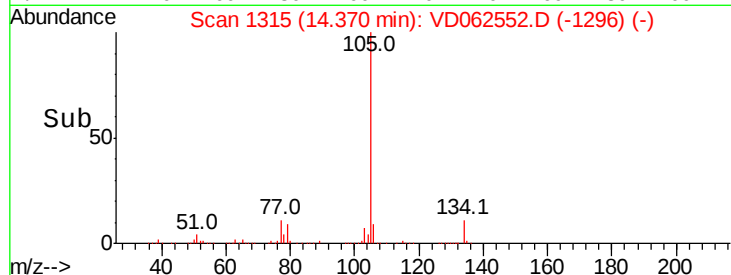
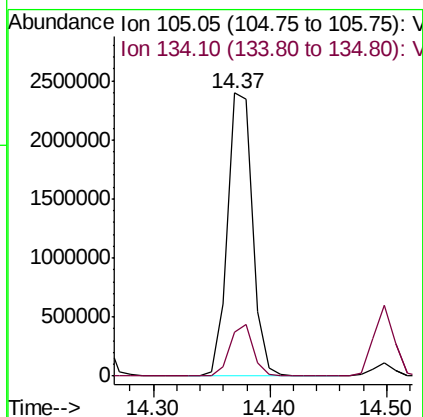
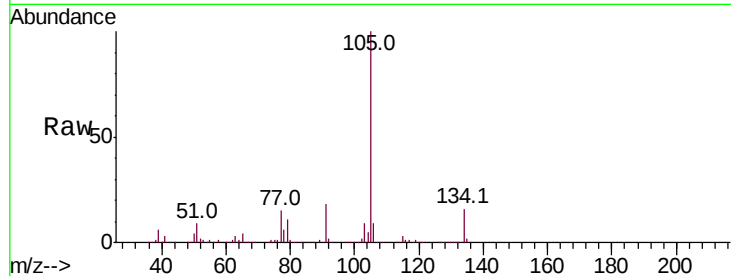




#85
 sec-Butylbenzene
 Concen: 103.299 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

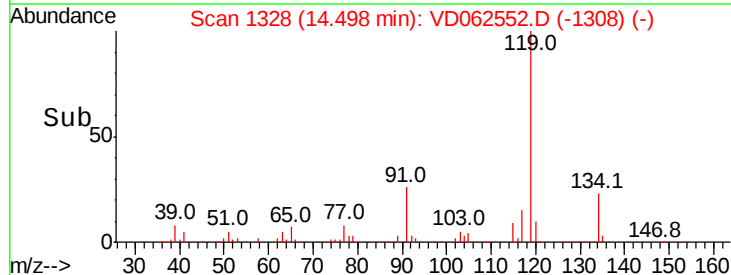
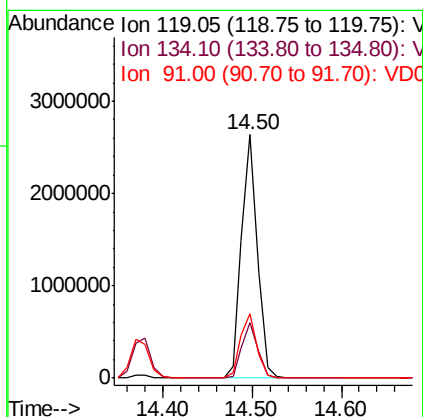
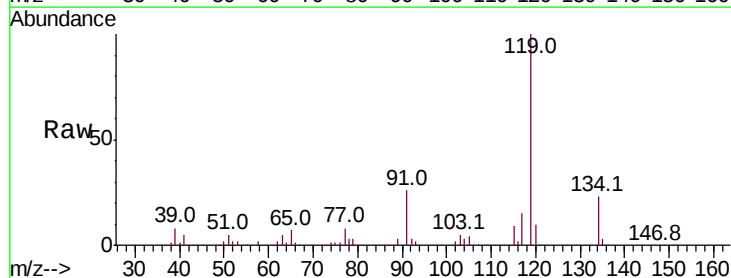
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

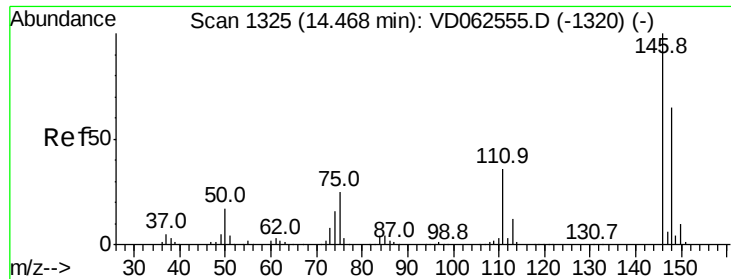
Tot Ion:105 Resp: 3549877
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 102.023 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

Tgt Ion:119 Resp: 3297509
 Ion Ratio Lower Upper
 119 100
 134 22.9 11.2 33.6
 91 26.3 13.6 40.7

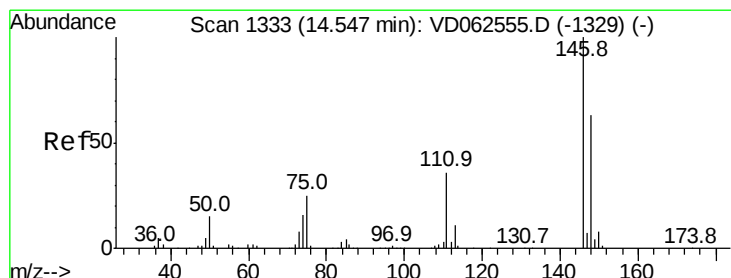
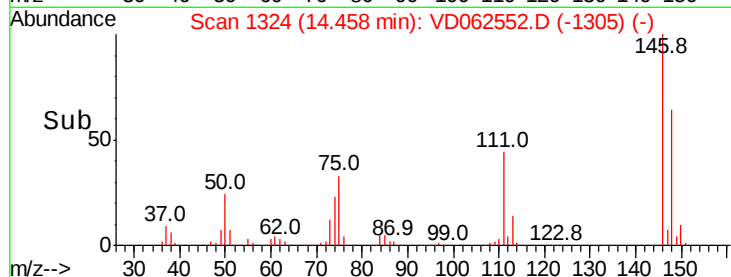
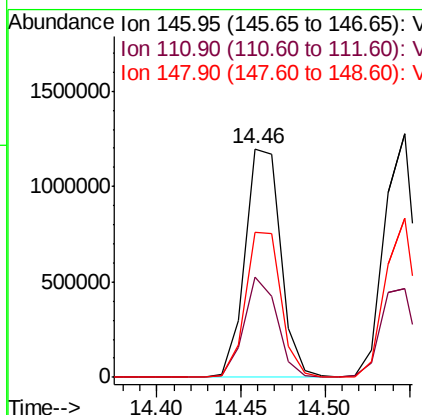
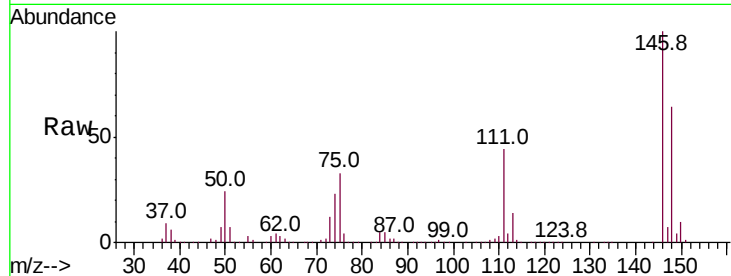




#87
 1,3-Dichlorobenzene
 Concen: 106.607 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

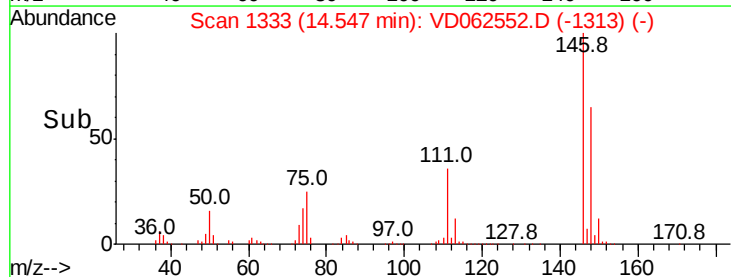
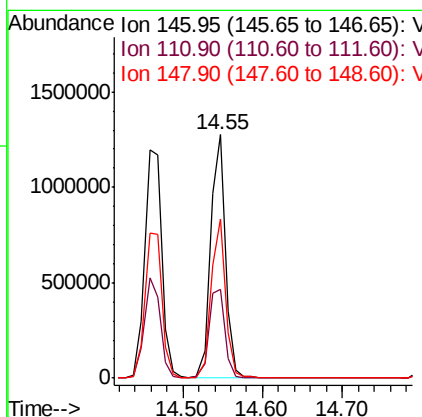
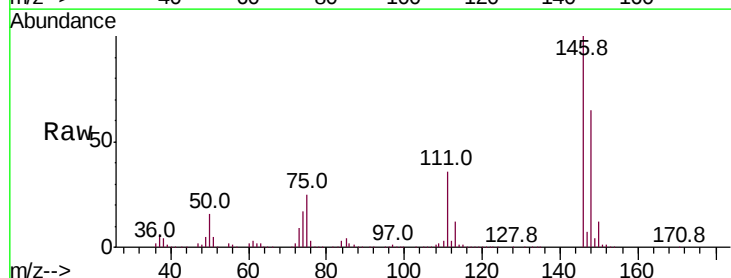
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

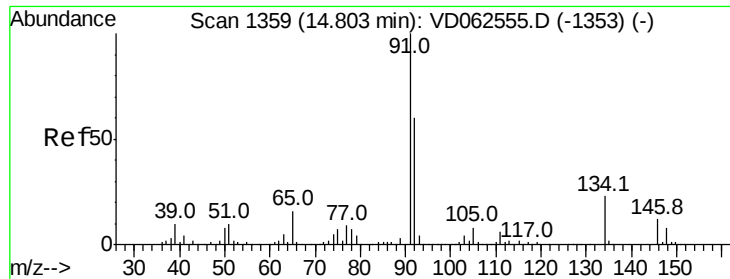
Tot Ion:146 Resp: 1759136
 Ion Ratio Lower Upper
 146 100
 111 43.9 18.1 54.4
 148 63.8 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 102.855 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

Tgt Ion:146 Resp: 1664505
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.2 54.6
 148 65.2 31.6 94.8

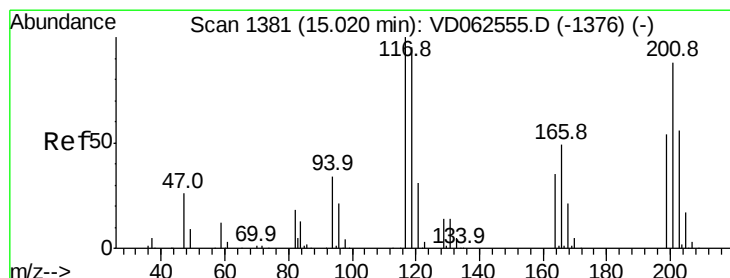
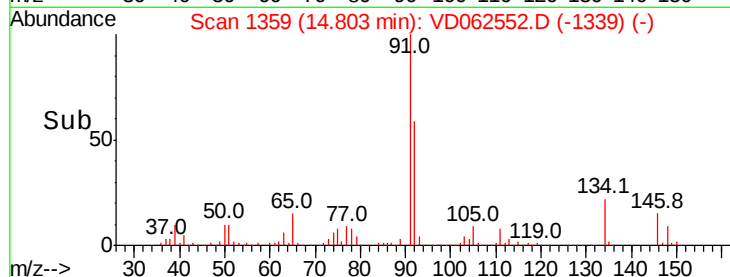
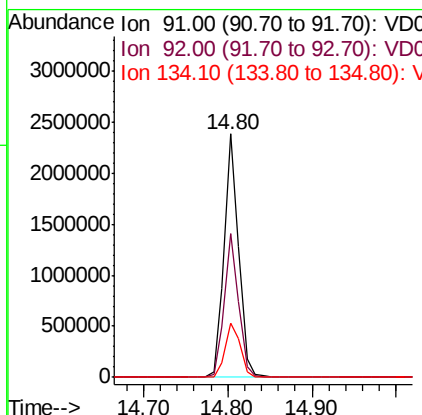
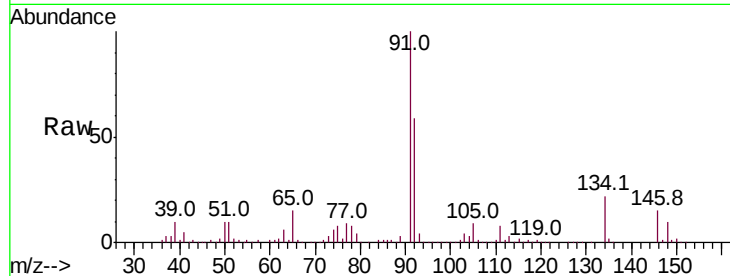




#89
n-Butylbenzene
Concen: 97.494 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

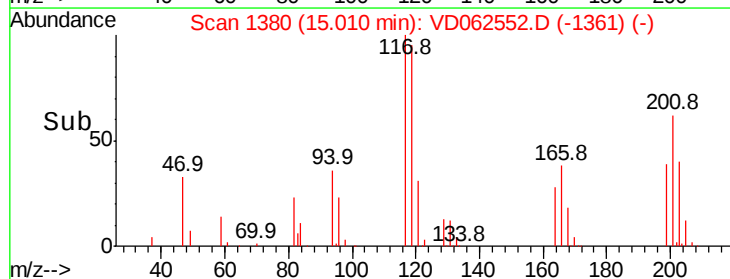
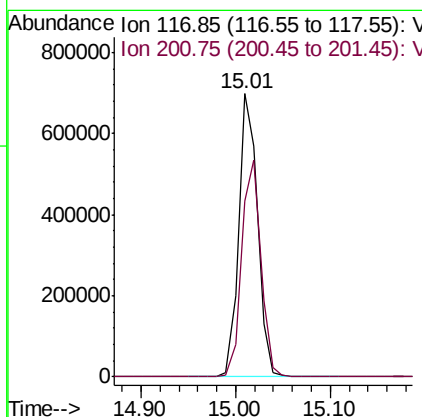
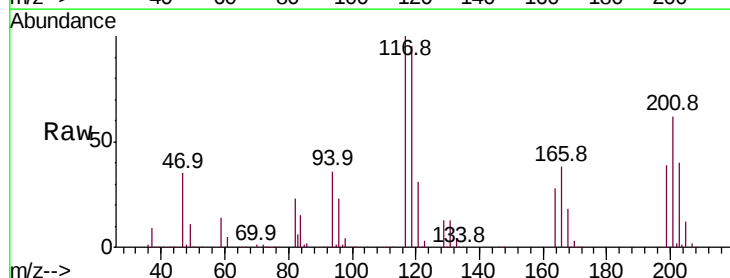
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

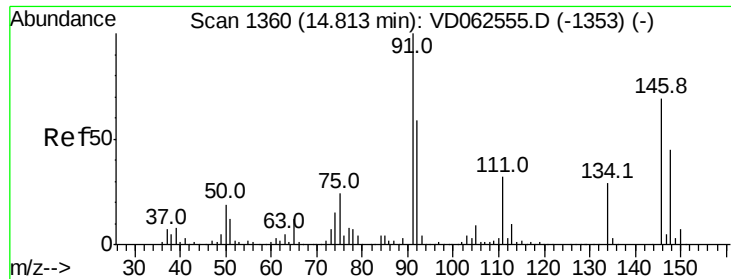
Tot Ion: 91 Resp: 2867289
Ion Ratio Lower Upper
91 100
92 59.0 29.8 89.4
134 22.2 11.3 33.8



#90
Hexachloroethane
Concen: 111.716 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion: 117 Resp: 964971
Ion Ratio Lower Upper
117 100
201 62.3 43.8 131.4



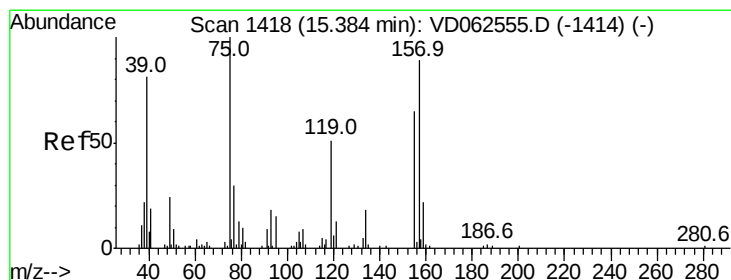
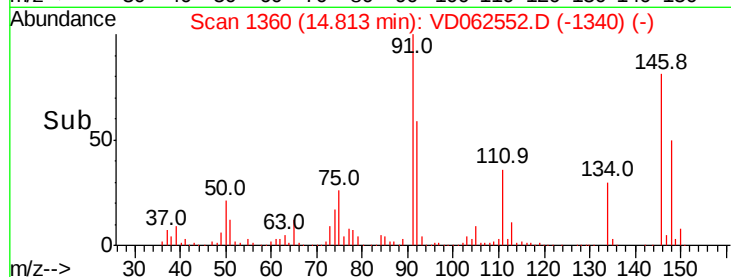
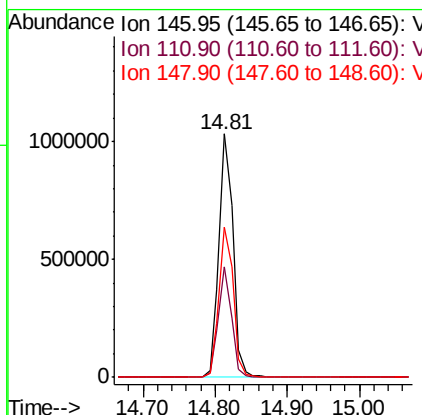
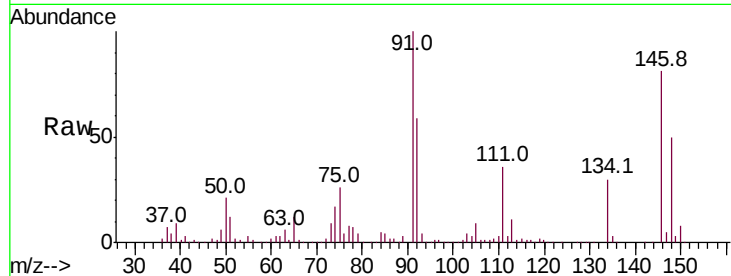


#91
 1,2-Dichlorobenzene
 Concen: 97.746 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1374063

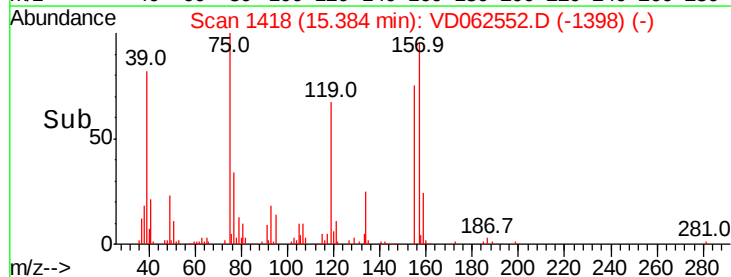
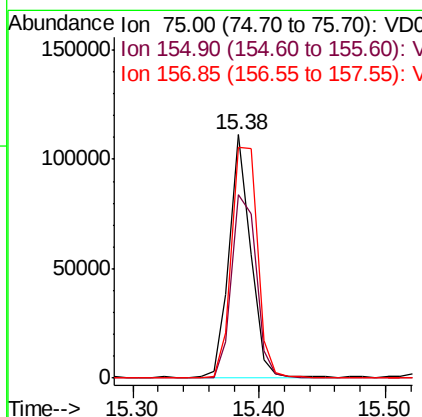
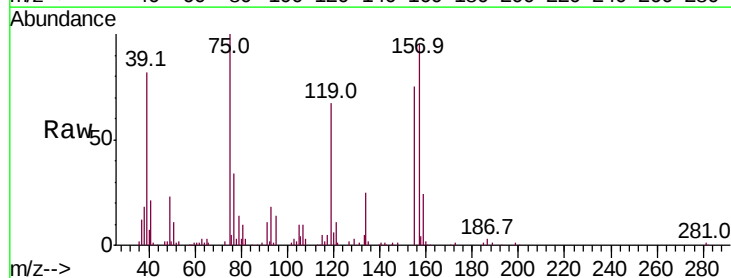
Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.8	68.4
148	61.8	32.3	96.9

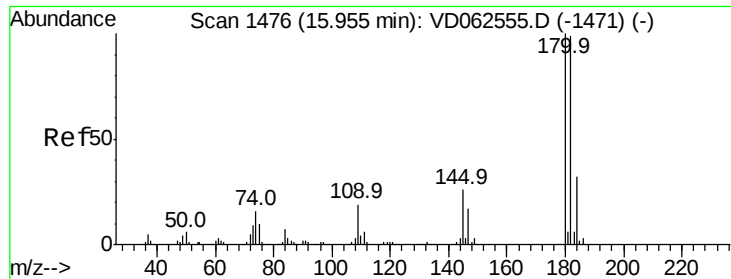


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 117.586 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

Tgt Ion: 75 Resp: 132033

Ion	Ratio	Lower	Upper
75	100		
155	75.2	32.6	97.8
157	94.6	44.5	133.7

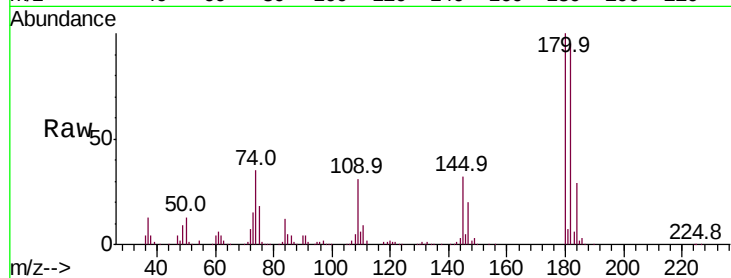




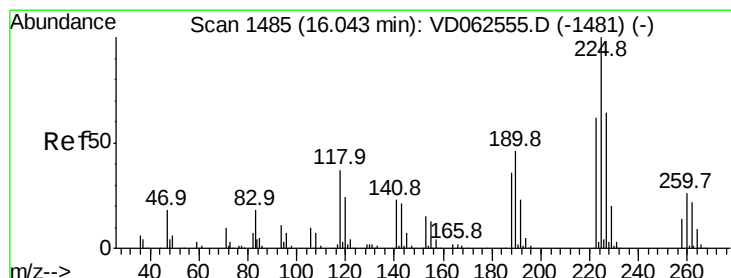
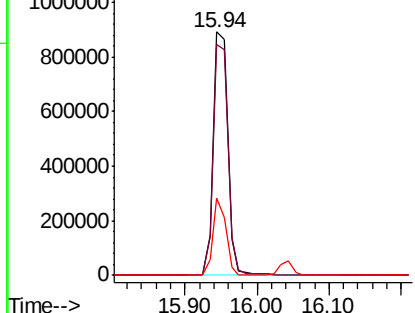
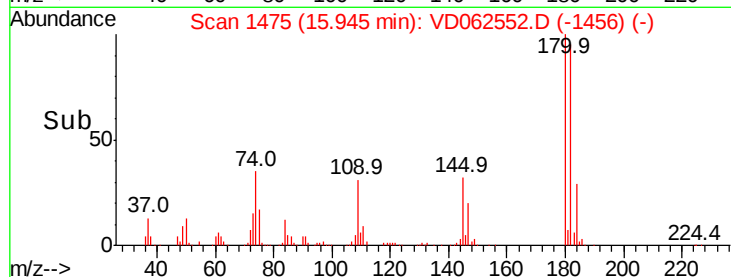
#93
 1,2,4-Trichlorobenzene
 Concen: 114.627 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 1244326
 Ion Ratio Lower Upper
 180 100
 182 94.6 49.5 148.3
 145 32.0 13.1 39.3

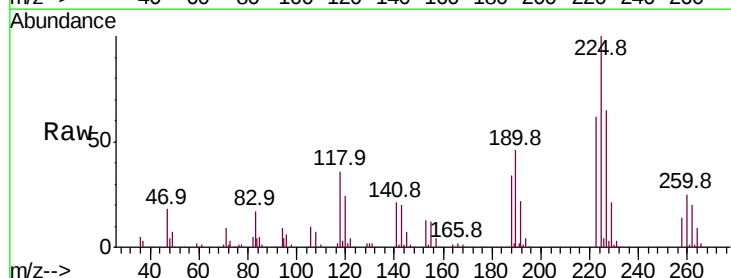


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

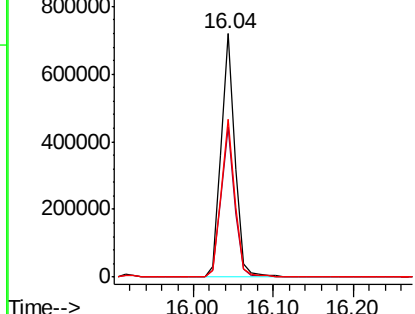
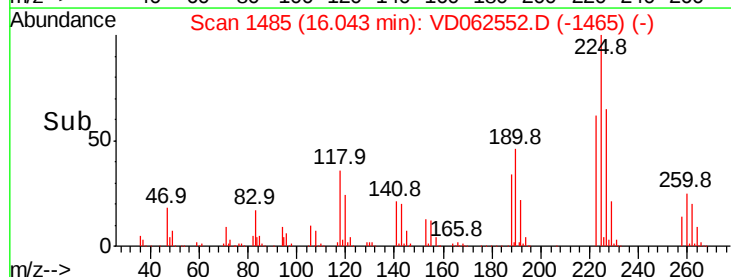


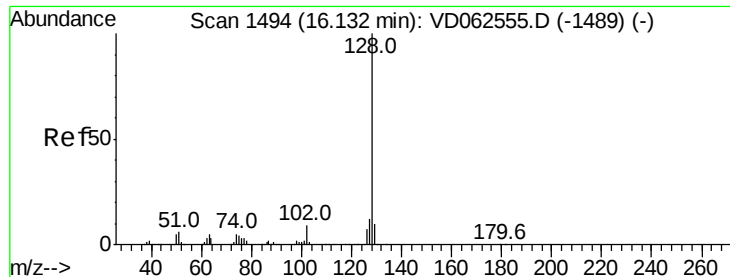
#94
 Hexachlorobutadiene
 Concen: 112.199 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062552.D
 Acq: 30 May 2019 13:54

Tgt Ion:225 Resp: 893384
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.1 93.5
 227 65.0 32.1 96.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

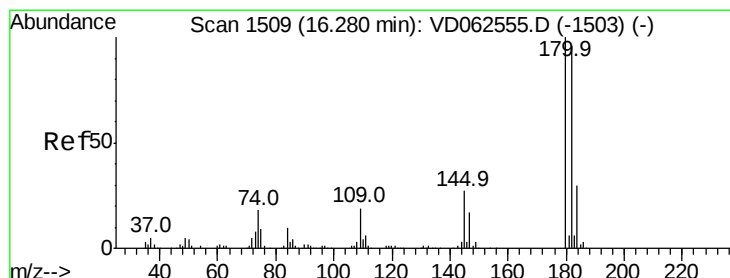
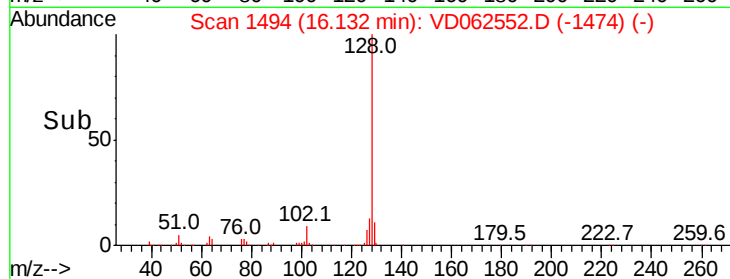
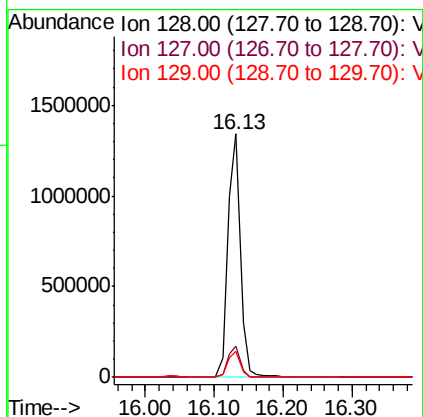
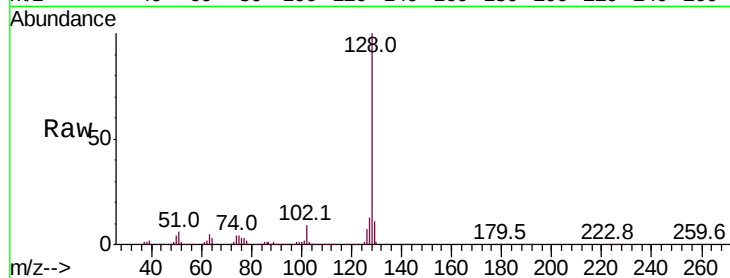




#95
Naphthalene
Concen: 110.055 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1686489
Ion Ratio Lower Upper
128 100
127 13.0 9.7 14.5
129 10.5 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 115.348 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VD062552.D
Acq: 30 May 2019 13:54

Tgt Ion:180 Resp: 944119
Ion Ratio Lower Upper
180 100
182 96.0 48.1 144.3
145 27.5 13.3 39.9

